

PF-0356-3 DIV

<110> Lal, Preeti  
Hillman, Jennifer L.  
Bandman, Olga  
Shah, Purvi  
Au-Young, Janice  
Yue, Henry  
Guegler, Karl J.  
Corley, Neil C.

<120> HUMAN REGULATORY MOLECULES

<130> PF-0356-3 DIV

<140> To Be Assigned

<141> Herewith

<160> 98

<170> PERL Program

<210> 1

<211> 151

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 000133

<400> 1

Met	Thr	Asn	Glu	Glu	Pro	Leu	Pro	Lys	Lys	Val	Arg	Leu	Ser	Glu
1				5					10					15
Thr	Asp	Phe	Lys	Val	Met	Ala	Arg	Asp	Glu	Leu	Ile	Leu	Arg	Trp
				20					25					30
Lys	Gln	Tyr	Glu	Ala	Tyr	Val	Gln	Ala	Leu	Glu	Gly	Lys	Tyr	Thr
				35					40					45
Asp	Leu	Asn	Ser	Asn	Asp	Val	Thr	Gly	Leu	Arg	Glu	Ser	Glu	Glu
				50					55					60
Lys	Leu	Lys	Gln	Gln	Gln	Gln	Glu	Ser	Ala	Arg	Arg	Glu	Asn	Ile
				65					70					75
Leu	Val	Met	Arg	Leu	Ala	Thr	Lys	Glu	Gln	Glu	Met	Gln	Glu	Cys
				80					85					90
Thr	Thr	Gln	Ile	Gln	Tyr	Leu	Lys	Gln	Val	Gln	Gln	Pro	Ser	Val
				95					100					105
Ala	Gln	Leu	Arg	Ser	Thr	Met	Val	Asp	Pro	Ala	Ile	Asn	Leu	Phe
				110					115					120
Phe	Leu	Lys	Met	Lys	Gly	Glu	Leu	Glu	Gln	Thr	Lys	Asp	Lys	Leu
				125					130					135
Glu	Gln	Ala	Gln	Asn	Glu	Leu	Ser	Ala	Trp	Lys	Phe	Thr	Pro	Asp
				140					145					150

Arg

PF-0356-3 DIV

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<213> Homo sapiens

<220>  
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Met Leu Thr Leu Ala Ser Lys Leu Lys Arg Asp Asp Gly Leu Lys  
1 5 10 15  
Gly Ser Arg Thr Ala Ala Thr Ala Ser Asp Ser Thr Arg Arg Val  
20 25 30  
Ser Val Arg Asp Lys Leu Leu Val Lys Glu Val Ala Glu Leu Glu  
35 40 45  
Ala Asn Leu Pro Cys Thr Cys Lys Val His Phe Pro Asp Pro Asn  
50 55 60  
Lys Leu His Cys Phe Gln Leu Thr Val Thr Pro Asp Glu Gly Tyr  
65 70 75  
Tyr Gln Gly Gly Lys Phe Gln Phe Glu Thr Glu Val Pro Asp Ala  
80 85 90  
Tyr Asn Met Val Pro Pro Lys Val Lys Cys Leu Thr Lys Ile Trp  
95 100 105  
His Pro Asn Ile Thr Glu Thr Gly Glu Ile Cys Leu Ser Leu Leu  
110 115 120  
Arg Glu His Ser Ile Asp Gly Thr Gly Trp Ala Pro Thr Arg Thr  
125 130 135  
Leu Lys Asp Val Val Trp Gly Leu Asn Ser Leu Phe Thr Asp Leu  
140 145 150  
Leu Asn Phe Asp Asp Pro Leu Asn Ile Glu Ala Ala Glu His His  
155 160 165  
Leu Arg Asp Lys Glu Asp Phe Arg Asn Lys Val Asp Asp Tyr Ile  
170 175 180  
Lys Arg Tyr Ala Arg  
185

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<213> Homo sapiens

<220>  
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<223> Incyte ID No: 001847

<400> 3  
Met Gly Lys Val Asn Val Ala Lys Leu Arg Tyr Met Ser Arg Asp

PF-0356-3 DIV

1	5	10	15
Asp Phe Arg Val Leu Thr Ala Val Glu Met Gly Met Lys Asn His			
	20	25	30
Glu Ile Val Pro Gly Ser Leu Ile Ala Ser Ile Ala Ser Leu Lys			
	35	40	45
His Gly Gly Cys Asn Lys Val Leu Arg Glu Leu Val Lys His			
	50	55	

<210> 4  
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<220>  
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<400> 4

Met Leu Glu Thr Phe Gly His Leu Val Ser Val Gly Trp Glu Thr	
1	5 10 15
Thr Leu Glu Asn Lys Glu Leu Ala Pro Asn Ser Asp Ile Pro Glu	
	20 25 30
Glu Glu Pro Ala Pro Ser Leu Lys Val Gln Glu Ser Ser Arg Asp	
	35 40 45
Cys Ala Leu Ser Ser Thr Leu Glu Asp Thr Leu Gln Gly Gly Val	
	50 55 60
Gln Glu Val Gln Asp Thr Val Leu Lys Gln Met Glu Ser Ala Gln	
	65 70 75
Glu Lys Asp Leu Pro Gln Lys Lys His Phe Asp Asn Arg Glu Ser	
	80 85 90
Gln Ala Asn Ser Gly Ala Leu Asp Thr Asn Gln Val Ser Leu Gln	
	95 100 105
Lys Ile Asp Asn Pro Glu Ser Gln Ala Asn Ser Gly Ala Leu Asp	
	110 115 120
Thr Asn Gln Val Leu Leu His Lys Ile Pro Pro Arg Lys Arg Leu	
	125 130 135
Arg Lys Arg Asp Ser Gln Val Lys Ser Met Lys His Asn Ser Arg	
	140 145 150
Val Lys Ile His Gln Lys Ser Cys Glu Arg Gln Lys Ala Lys Glu	
	155 160 165
Gly Asn Gly Cys Arg Lys Thr Phe Ser Arg Ser Thr Lys Gln Ile	
	170 175 180
Thr Phe Ile Arg Ile His Lys Gly Ser Gln Val Cys Arg Cys Ser	
	185 190 195
Glu Cys Gly Lys Ile Phe Arg Asn Pro Arg Tyr Phe Ser Val His	
	200 205 210
Lys Lys Ile His Thr Gly Glu Arg Pro Tyr Val Cys Gln Asp Cys	
	215 220 225
Gly Lys Gly Phe Val Gln Ser Ser Ser Leu Thr Gln His Gln Arg	
	230 235 240

PF-0356-3 DIV

Val	His	Ser	Gly	Glu	Arg	Pro	Phe	Glu	Cys	Gln	Glu	Cys	Gly	Arg	
				245					250					255	
Thr	Phe	Asn	Asp	Arg	Ser	Ala	Ile	Ser	Gln	His	Leu	Arg	Thr	His	
				260					265					270	
Thr	Gly	Ala	Lys	Pro	Tyr	Lys	Cys	Gln	Asp	Cys	Gly	Lys	Ala	Phe	
				275					280					285	
Arg	Gln	Ser	Ser	His	Leu	Ile	Arg	His	Gln	Arg	Thr	His	Thr	Gly	
				290					295					300	
Glu	Arg	Pro	Tyr	Ala	Cys	Asn	Lys	Cys	Gly	Lys	Ala	Phe	Thr	Gln	
				305					310					315	
Ser	Ser	His	Leu	Ile	Gly	His	Gln	Arg	Thr	His	Asn	Arg	Thr	Lys	
				320					325					330	
Arg	Lys	Lys	Lys	Gln	Pro	Thr	Ser								
				335											

<210> 5

<211> 456

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 009476

<400> 5

Met	Lys	Ile	Glu	Glu	Val	Lys	Ser	Thr	Thr	Lys	Thr	Gln	Arg	Ile	
1				5					10					15	
Ala	Ser	His	Ser	His	Val	Lys	Gly	Leu	Gly	Leu	Asp	Glu	Ser	Gly	
				20					25					30	
Leu	Ala	Lys	Gln	Ala	Ala	Ser	Gly	Leu	Val	Gly	Gln	Glu	Asn	Ala	
				35					40					45	
Arg	Glu	Ala	Cys	Gly	Val	Ile	Val	Glu	Leu	Ile	Glu	Ser	Lys	Lys	
				50					55					60	
Met	Ala	Gly	Arg	Ala	Val	Leu	Leu	Ala	Gly	Pro	Pro	Gly	Thr	Gly	
				65					70					75	
Lys	Thr	Ala	Leu	Ala	Leu	Ala	Ile	Ala	Gln	Glu	Leu	Gly	Ser	Lys	
				80					85					90	
Val	Pro	Phe	Cys	Pro	Met	Val	Gly	Ser	Glu	Val	Tyr	Ser	Thr	Glu	
				95					100					105	
Ile	Lys	Lys	Thr	Glu	Val	Leu	Met	Glu	Asn	Phe	Arg	Arg	Ala	Ile	
				110					115					120	
Gly	Leu	Arg	Ile	Lys	Glu	Thr	Lys	Glu	Val	Tyr	Glu	Gly	Glu	Val	
				125					130					135	
Thr	Glu	Leu	Thr	Pro	Cys	Glu	Thr	Glu	Asn	Pro	Met	Gly	Gly	Tyr	
				140					145					150	
Gly	Lys	Thr	Ile	Ser	His	Val	Ile	Ile	Gly	Leu	Lys	Thr	Ala	Lys	
				155					160					165	
Gly	Thr	Lys	Gln	Leu	Lys	Leu	Asp	Pro	Ser	Ile	Phe	Glu	Ser	Leu	
				170					175					180	
Gln	Lys	Glu	Arg	Val	Glu	Ala	Gly	Asp	Val	Ile	Tyr	Ile	Glu	Ala	

PF-0356-3 DIV

	185	190	195
Asn Ser Gly Ala	Val Lys Arg Gln Gly	Arg Cys Asp Thr Tyr	Ala
	200	205	210
Thr Glu Phe Asp	Leu Glu Ala Glu Glu	Tyr Val Pro Leu Pro	Lys
	215	220	225
Gly Asp Val His	Lys Lys Lys Glu Ile	Ile Gln Asp Val Thr	Leu
	230	235	240
His Asp Leu Asp	Val Ala Asn Ala Arg	Pro Gln Gly Gly Gln	Asp
	245	250	255
Ile Leu Ser Met	Met Gly Gln Leu Met	Lys Pro Lys Lys Thr	Glu
	260	265	270
Ile Thr Asp Lys	Leu Arg Gly Glu Ile	Asn Lys Val Val Asn	Lys
	275	280	285
Tyr Ile Asp Gln	Gly Ile Ala Glu Leu	Val Pro Gly Val Leu	Phe
	290	295	300
Val Asp Glu Val	His Met Leu Asp Ile	Glu Cys Phe Thr Tyr	Leu
	305	310	315
His Arg Ala Leu	Glu Ser Ser Ile Ala	Pro Ile Val Ile Phe	Ala
	320	325	330
Ser Asn Arg Gly	Asn Cys Val Ile Arg	Gly Thr Glu Asp Ile	Thr
	335	340	345
Ser Pro His Gly	Ile Pro Leu Asp Leu	Leu Asp Arg Val Met	Ile
	350	355	360
Ile Arg Thr Met	Leu Tyr Thr Pro Gln	Glu Met Lys Gln Ile	Ile
	365	370	375
Lys Ile Arg Ala	Gln Thr Glu Gly Ile	Asn Ile Ser Glu Glu	Ala
	380	385	390
Leu Asn His Leu	Gly Glu Ile Gly Thr	Lys Thr Thr Leu Arg	Tyr
	395	400	405
Ser Val Gln Leu	Leu Thr Pro Ala Asn	Leu Leu Ala Lys Ile	Asn
	410	415	420
Gly Lys Asp Ser	Ile Glu Lys Glu His	Val Glu Glu Ile Ser	Glu
	425	430	435
Leu Phe Tyr Asp	Ala Lys Ser Ser Ala	Lys Ile Leu Ala Asp	Gln
	440	445	450
Gln Asp Lys Tyr	Met Lys		
	455		

<210> 6  
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<220>  
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 <223> Incyte ID No: 010370

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 Met Val Leu Trp Leu Lys Gly Val Thr Phe Asn Val Thr Thr Val  
 1 5 10 15

PF-0356-3 DIV

Asp	Thr	Lys	Arg	Arg	Thr	Glu	Thr	Val	Gln	Lys	Leu	Cys	Pro	Gly	
				20					25					30	
Gly	Gln	Leu	Pro	Phe	Leu	Leu	Tyr	Gly	Thr	Glu	Val	His	Thr	Asp	
				35					40					45	
Thr	Asn	Lys	Ile	Glu	Glu	Phe	Leu	Glu	Ala	Val	Leu	Cys	Pro	Pro	
				50					55					60	
Arg	Tyr	Pro	Lys	Leu	Ala	Ala	Leu	Asn	Pro	Glu	Ser	Asn	Thr	Ala	
				65					70					75	
Gly	Leu	Asp	Ile	Phe	Ala	Lys	Phe	Ser	Ala	Tyr	Ile	Lys	Asn	Ser	
				80					85					90	
Asn	Pro	Ala	Leu	Asn	Asp	Asn	Leu	Glu	Lys	Gly	Leu	Leu	Lys	Ala	
				95					100					105	
Leu	Lys	Val	Leu	Asp	Asn	Tyr	Leu	Thr	Ser	Pro	Leu	Pro	Glu	Glu	
				110					115					120	
Val	Asp	Glu	Thr	Ser	Ala	Glu	Asp	Glu	Gly	Val	Ser	Gln	Arg	Lys	
				125					130					135	
Phe	Leu	Asp	Gly	Asn	Glu	Leu	Thr	Leu	Ala	Asp	Cys	Asn	Leu	Leu	
				140					145					150	
Pro	Lys	Leu	His	Ile	Val	Gln	Val	Val	Cys	Lys	Lys	Tyr	Arg	Gly	
				155					160					165	
Phe	Thr	Ile	Pro	Glu	Ala	Phe	Arg	Gly	Val	His	Arg	Tyr	Leu	Ser	
				170					175					180	
Asn	Ala	Tyr	Ala	Arg	Glu	Glu	Phe	Ala	Ser	Thr	Cys	Pro	Asp	Asp	
				185					190					195	
Glu	Glu	Ile	Glu	Leu	Ala	Tyr	Glu	Gln	Val	Ala	Lys	Ala	Leu	Lys	
				200					205					210	

<210> 7  
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<220>  
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<400> 7

Met	Leu	Gly	Gln	Leu	Leu	Pro	His	Thr	Ala	Arg	Gly	Leu	Gly	Ala	
1				5					10					15	
Ala	Glu	Met	Pro	Gly	Gln	Gly	Pro	Gly	Ser	Asp	Trp	Thr	Glu	Arg	
				20					25					30	
Ser	Ser	Ser	Ala	Glu	Pro	Pro	Ala	Val	Ala	Gly	Thr	Glu	Gly	Gly	
				35					40					45	
Gly	Gly	Gly	Ser	Ala	Gly	Tyr	Ser	Cys	Tyr	Gln	Asn	Ser	Lys	Gly	
				50					55					60	
Ser	Asp	Arg	Ile	Lys	Asp	Gly	Tyr	Lys	Val	Asn	Ser	His	Ile	Ala	
				65					70					75	
Lys	Leu	Gln	Glu	Leu	Trp	Lys	Thr	Pro	Gln	Asn	Gln	Thr	Ile	His	
				80					85					90	

PF-0356-3 DIV

Leu	Ser	Lys	Ser	Met	Met	Glu	Ala	Ser	Phe	Phe	Lys	His	Pro	Asp	
				95					100					105	
Leu	Thr	Thr	Gly	Gln	Lys	Arg	Tyr	Leu	Cys	Ser	Ile	Ala	Lys	Ile	
				110					115					120	
Tyr	Asn	Ala	Asn	Tyr	Leu	Lys	Met	Leu	Met	Lys	Arg	Gln	Tyr	Met	
				125					130					135	
His	Val	Leu	Gln	His	Ser	Ser	Gln	Lys	Pro	Gly	Val	Leu	Thr	His	
				140					145					150	
His	Arg	Ser	Arg	Leu	Ser	Ser	Arg	Tyr	Ser	Gln	Lys	Gln	His	Tyr	
				155					160					165	
Pro	Cys	Thr	Thr	Trp	Arg	His	Gln	Leu	Glu	Arg	Glu	Asp	Ser	Gly	
				170					175					180	
Ser	Ser	Asp	Ile	Ala	Ala	Ala	Ser	Ala	Pro	Glu	Met	Leu	Ile	Gln	
				185					190					195	
His	Ser	Leu	Trp	Arg	Pro	Val	Arg	Asn	Lys	Glu	Gly	Ile	Lys	Thr	
				200					205					210	
Gly	Tyr	Ala	Ser	Lys	Thr	Arg	Cys	Lys	Ser	Leu	Lys	Ile	Phe	Arg	
				215					220					225	
Arg	Pro	Arg	Lys	Leu	Phe	Met	Gln	Thr	Val	Ser	Ser	Asp	Asp	Ser	
				230					235					240	
Glu	Ser	His	Met	Ser	Gly	Glu	Lys	Lys	Gly	Arg	Gly	Phe	Thr	Thr	
				245					250					255	

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<220>  
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Met	Ala	Leu	Ala	Met	Leu	Val	Leu	Val	Val	Ser	Pro	Trp	Ser	Ala	
1				5					10					15	
Ala	Arg	Gly	Val	Leu	Arg	Asn	Tyr	Trp	Glu	Arg	Leu	Leu	Arg	Lys	
				20					25					30	
Leu	Pro	Gln	Ser	Arg	Pro	Gly	Phe	Pro	Ser	Pro	Pro	Trp	Gly	Pro	
				35					40					45	
Ala	Leu	Ala	Val	Gln	Gly	Pro	Ala	Met	Phe	Thr	Glu	Pro	Ala	Asn	
				50					55					60	
Asp	Thr	Ser	Gly	Ser	Lys	Glu	Asn	Ser	Ser	Leu	Leu	Asp	Ser	Ile	
				65					70					75	
Phe	Trp	Met	Ala	Ala	Pro	Lys	Asn	Arg	Arg	Thr	Ile	Glu	Val	Asn	
				80					85					90	
Arg	Cys	Arg	Arg	Arg	Asn	Pro	Gln	Lys	Leu	Ile	Lys	Val	Lys	Asn	
				95					100					105	
Asn	Ile	Asp	Val	Cys	Pro	Glu	Cys	Gly	His	Leu	Lys	Gln	Lys	His	
				110					115					120	

PF-0356-3 DIV

Val	Leu	Cys	Ala	Tyr	Cys	Tyr	Glu	Lys	Val	Cys	Lys	Glu	Thr	Ala	
				125					130					135	
Glu	Ile	Arg	Arg	Gln	Ile	Gly	Lys	Gln	Glu	Gly	Gly	Pro	Phe	Lys	
				140					145					150	
Ala	Pro	Thr	Ile	Glu	Thr	Val	Val	Leu	Tyr	Thr	Gly	Glu	Thr	Pro	
				155					160					165	
Ser	Glu	Gln	Asp	Gln	Gly	Lys	Arg	Ile	Ile	Glu	Arg	Asp	Arg	Lys	
				170					175					180	
Arg	Pro	Ser	Trp	Phe	Thr	Gln	Asn								
				185											

<210> 9

<211> 531

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 098974

<400> 9

Met	Ala	Pro	Thr	Ile	Gln	Thr	Gln	Ala	Gln	Arg	Glu	Asp	Gly	His	
1				5					10					15	
Arg	Pro	Asn	Ser	His	Arg	Thr	Leu	Pro	Glu	Arg	Ser	Gly	Val	Val	
				20					25					30	
Cys	Arg	Val	Lys	Tyr	Cys	Asn	Ser	Leu	Pro	Asp	Ile	Pro	Phe	Asp	
				35					40					45	
Pro	Lys	Phe	Ile	Thr	Tyr	Pro	Phe	Asp	Gln	Asn	Arg	Phe	Val	Gln	
				50					55					60	
Tyr	Lys	Ala	Thr	Ser	Leu	Glu	Lys	Gln	His	Lys	His	Asp	Leu	Leu	
				65					70					75	
Thr	Glu	Pro	Asp	Leu	Gly	Val	Thr	Ile	Asp	Leu	Ile	Asn	Pro	Asp	
				80					85					90	
Thr	Tyr	Arg	Ile	Asp	Pro	Asn	Val	Leu	Leu	Asp	Pro	Ala	Asp	Glu	
				95					100					105	
Lys	Leu	Leu	Glu	Glu	Glu	Ile	Gln	Ala	Pro	Thr	Ser	Ser	Lys	Arg	
				110					115					120	
Ser	Gln	Gln	His	Ala	Lys	Val	Val	Pro	Trp	Met	Arg	Lys	Thr	Glu	
				125					130					135	
Tyr	Ile	Ser	Thr	Glu	Phe	Asn	Arg	Tyr	Gly	Ile	Ser	Asn	Glu	Lys	
				140					145					150	
Pro	Glu	Val	Lys	Ile	Gly	Val	Ser	Val	Lys	Gln	Gln	Phe	Thr	Glu	
				155					160					165	
Glu	Glu	Ile	Tyr	Lys	Asp	Arg	Asp	Ser	Gln	Ile	Thr	Ala	Ile	Glu	
				170					175					180	
Lys	Thr	Phe	Glu	Asp	Ala	Gln	Lys	Ser	Ile	Ser	Gln	His	Tyr	Ser	
				185					190					195	
Lys	Pro	Arg	Val	Thr	Pro	Val	Glu	Val	Met	Pro	Val	Phe	Pro	Asp	
				200					205					210	
Phe	Lys	Met	Trp	Ile	Asn	Pro	Cys	Ala	Gln	Val	Ile	Phe	Asp	Ser	



PF-0356-3 DIV

	215		220		225
Asp Pro Ala Pro	Lys Asp Thr Ser Gly	Ala Ala Leu Glu Met			
	230		235		240
Met Ser Gln Ala	Met Ile Arg Gly Met	Met Asp Glu Glu Gly Asn			
	245		250		255
Gln Phe Val Ala	Tyr Phe Leu Pro Val	Glu Glu Thr Leu Lys Lys			
	260		265		270
Arg Lys Arg Asp	Gln Glu Glu Glu Met	Asp Tyr Ala Pro Asp Asp			
	275		280		285
Val Tyr Asp Tyr	Lys Ile Ala Arg Glu	Tyr Asn Trp Asn Val Lys			
	290		295		300
Asn Lys Ala Ser	Lys Gly Tyr Glu Glu	Asn Tyr Phe Phe Ile Phe			
	305		310		315
Arg Glu Gly Asp	Gly Val Tyr Tyr Asn	Glu Leu Glu Thr Arg Val			
	320		325		330
Arg Leu Ser Lys	Arg Arg Ala Lys Ala	Gly Val Gln Ser Gly Thr			
	335		340		345
Asn Ala Leu Leu	Val Val Lys His Arg	Asp Met Asn Glu Lys Glu			
	350		355		360
Leu Glu Ala Gln	Glu Ala Arg Lys Ala	Gln Leu Glu Asn His Glu			
	365		370		375
Pro Glu Glu Glu	Glu Glu Glu Glu Met	Glu Thr Glu Glu Lys Glu			
	380		385		390
Ala Gly Gly Ser	Asp Glu Glu Gln Glu	Lys Gly Ser Ser Ser Glu			
	395		400		405
Lys Glu Gly Ser	Glu Asp Glu His Ser	Gly Ser Glu Ser Glu Arg			
	410		415		420
Glu Glu Gly Asp	Arg Asp Glu Ala Ser	Asp Lys Ser Gly Ser Gly			
	425		430		435
Glu Asp Glu Ser	Ser Glu Asp Glu Ala	Arg Ala Ala Arg Asp Lys			
	440		445		450
Glu Glu Ile Phe	Gly Ser Asp Ala Asp	Ser Glu Asp Asp Ala Asp			
	455		460		465
Ser Asp Asp Glu	Asp Arg Gly Gln Ala	Gln Gly Gly Ser Asp Asn			
	470		475		480
Asp Ser Asp Ser	Gly Ser Asn Gly Gly	Gly Gln Arg Ser Arg Ser			
	485		490		495
His Ser Arg Ser	Ala Ser Pro Phe Pro	Ser Gly Ser Glu His Ser			
	500		505		510
Ala Gln Glu Asp	Gly Ser Glu Ala Ala	Ala Ser Asp Ser Ser Glu			
	515		520		525
Ala Asp Ser Asp	Ser Asp				
	530				

<210> 10

<211> 348

<212> PRT

<213> Homo sapiens

<220>

PF-0356-3 DIV

<221> misc\_feature

<223> Incyte ID No: 118160

<400> 10

Met	Gly	Gln	Glu	Glu	Glu	Leu	Leu	Arg	Ile	Ala	Lys	Lys	Leu	Glu
1				5					10					15
Lys	Met	Val	Ala	Arg	Lys	Asn	Thr	Glu	Gly	Ala	Leu	Asp	Leu	Leu
				20					25					30
Lys	Lys	Leu	His	Ser	Cys	Gln	Met	Ser	Ile	Gln	Leu	Leu	Gln	Thr
				35					40					45
Thr	Arg	Ile	Gly	Val	Ala	Val	Asn	Gly	Val	Arg	Lys	His	Cys	Ser
				50					55					60
Asp	Lys	Glu	Val	Val	Ser	Leu	Ala	Lys	Val	Leu	Ile	Lys	Asn	Trp
				65					70					75
Lys	Arg	Leu	Leu	Asp	Ser	Pro	Gly	Pro	Pro	Lys	Gly	Glu	Lys	Gly
				80					85					90
Glu	Glu	Arg	Glu	Lys	Ala	Lys	Lys	Lys	Glu	Lys	Gly	Leu	Glu	Cys
				95					100					105
Ser	Asp	Trp	Lys	Pro	Glu	Ala	Gly	Leu	Ser	Pro	Pro	Arg	Lys	Lys
				110					115					120
Arg	Glu	Asp	Pro	Lys	Thr	Arg	Arg	Asp	Ser	Val	Asp	Ser	Lys	Ser
				125					130					135
Ser	Ala	Ser	Ser	Ser	Pro	Lys	Arg	Pro	Ser	Val	Glu	Arg	Ser	Asn
				140					145					150
Ser	Ser	Lys	Ser	Lys	Ala	Glu	Ser	Pro	Lys	Thr	Pro	Ser	Ser	Pro
				155					160					165
Leu	Thr	Pro	Thr	Phe	Ala	Ser	Ser	Met	Cys	Leu	Leu	Ala	Pro	Cys
				170					175					180
Tyr	Leu	Thr	Gly	Asp	Ser	Val	Arg	Asp	Lys	Cys	Val	Glu	Met	Leu
				185					190					195
Ser	Ala	Ala	Leu	Lys	Ala	Asp	Asp	Asp	Tyr	Lys	Asp	Tyr	Gly	Val
				200					205					210
Asn	Cys	Asp	Lys	Met	Ala	Ser	Glu	Ile	Glu	Asp	His	Ile	Tyr	Gln
				215					220					225
Glu	Leu	Lys	Ser	Thr	Asp	Met	Lys	Tyr	Arg	Asn	Arg	Val	Arg	Ser
				230					235					240
Arg	Ile	Ser	Asn	Leu	Lys	Asp	Pro	Arg	Asn	Pro	Gly	Leu	Arg	Arg
				245					250					255
Asn	Val	Leu	Ser	Gly	Ala	Ile	Ser	Ala	Gly	Leu	Ile	Ala	Lys	Met
				260					265					270
Thr	Ala	Glu	Glu	Met	Ala	Ser	Asp	Glu	Leu	Arg	Glu	Leu	Arg	Asn
				275					280					285
Ala	Met	Thr	Gln	Glu	Ala	Ile	Arg	Glu	His	Gln	Met	Ala	Lys	Thr
				290					295					300
Gly	Gly	Thr	Thr	Thr	Asp	Leu	Phe	Gln	Cys	Ser	Lys	Cys	Lys	Lys
				305					310					315
Lys	Asn	Cys	Thr	Tyr	Asn	Gln	Val	Gln	Thr	Arg	Ser	Ala	Asp	Glu
				320					325					330
Pro	Met	Thr	Thr	Phe	Val	Leu	Cys	Asn	Glu	Cys	Gly	Asn	Arg	Trp
				335					340					345

PF-0356-3 DIV

Lys Phe Cys

<210> 11  
<211> 393  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 140516

<400> 11  
Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser  
1 5 10 15  
Pro Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala  
20 25 30  
Ser Lys Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val  
35 40 45  
Gln Asp Arg Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val  
50 55 60  
Val Leu Glu His Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg  
65 70 75  
His Phe Ala Gly Asp Val Leu Gly Tyr Val Thr Pro Trp Asn Ser  
80 85 90  
His Gly Tyr Asp Val Thr Lys Val Phe Gly Ser Lys Phe Thr Gln  
95 100 105  
Ile Ser Pro Val Trp Leu Gln Leu Lys Arg Arg Gly Arg Glu Met  
110 115 120  
Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp Met Arg  
125 130 135  
Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg Leu  
145 150  
Leu Phe Glu As Tyr Asp Asp Phe Arg Asn Val Leu Asp  
160 165  
Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr Val Val Gln Val  
170 175 180  
Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu Val Trp Asn  
185 190 195  
Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met Leu Thr  
200 205 210  
His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu Leu  
215 220 225  
Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met  
230 235 240  
Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly  
245 250 255  
Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly  
260 265 270  
Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu

PF-0356-3 DIV

	275		280		285
Asp Pro Lys Ser	Lys Trp Arg Ser Lys	Ile Leu Leu Gly Leu Asn			
	290		295		300
Phe Tyr Gly Met	Asp Tyr Ala Thr Ser	Lys Asp Ala Arg Glu Pro			
	305		310		315
Val Val Gly Ala	Arg Tyr Ile Gln Thr	Leu Lys Asp His Arg Pro			
	320		325		330
Arg Met Val Trp	Asp Ser Gln Ala Ser	Glu His Phe Phe Glu Tyr			
	335		340		345
Lys Lys Ser Arg	Ser Gly Arg His Val	Val Phe Tyr Pro Thr Leu			
	350		355		360
Lys Ser Leu Gln	Val Arg Leu Glu Leu	Ala Arg Glu Leu Gly Val			
	365		370		375
Gly Val Ser Ile	Trp Glu Leu Gly Gln	Gly Leu Asp Tyr Phe Tyr			
	380		385		390
Asp Leu Leu					

<210> 12  
 <211> 320  
 <212> PRT  
 <213> Homo sapiens  
  
 <220>  
 <221> misc\_feature  
 <223> Incyte ID No: 207452

<400> 12

Met Val Gly Tyr Asp	Pro Lys Pro Asp Gly	Arg Asn Asn Thr Lys
1	5	10
Phe Gln Val Ala Val	Ala Gly Ser Val Ser	Gly Leu Val Thr Arg
	20	25
Ala Leu Ile Ser Pro	Phe Asp Val Ile Lys	Ile Arg Phe Gln Leu
	35	40
Gln His Glu Arg Leu	Ser Arg Ser Asp Pro	Ser Ala Lys Tyr His
	50	55
Gly Ile Leu Gln Ala	Ser Arg Gln Ile Leu	Gln Glu Glu Gly Pro
	65	70
Thr Ala Phe Trp Lys	Gly His Val Pro Ala	Gln Ile Leu Ser Ile
	80	85
Gly Tyr Gly Ala Val	Gln Phe Leu Ser Phe	Glu Met Leu Thr Glu
	95	100
Leu Val His Arg Gly	Ser Val Tyr Asp Ala	Arg Glu Phe Ser Val
	110	115
His Phe Val Cys Gly	Gly Leu Ala Ala Cys	Met Ala Thr Leu Thr
	125	130
Val His Pro Val Asp	Val Leu Arg Thr Arg	Phe Ala Ala Gln Gly
	140	145
Glu Pro Lys Val Tyr	Asn Thr Leu Arg His	Ala Val Gly Thr Met
	155	160
		165

PF-0356-3 DIV

Tyr	Arg	Ser	Glu	Gly	Pro	Gln	Val	Phe	Tyr	Lys	Gly	Leu	Ala	Pro	
				170					175					180	
Thr	Leu	Ile	Ala	Ile	Phe	Pro	Tyr	Ala	Gly	Leu	Gln	Phe	Ser	Cys	
				185					190					195	
Tyr	Ser	Ser	Leu	Lys	His	Leu	Tyr	Lys	Trp	Ala	Ile	Pro	Ala	Glu	
				200					205					210	
Gly	Lys	Lys	Asn	Glu	Asn	Leu	Gln	Asn	Leu	Leu	Cys	Gly	Ser	Gly	
				215					220					225	
Ala	Gly	Val	Ile	Ser	Lys	Thr	Leu	Thr	Tyr	Pro	Leu	Asp	Leu	Phe	
				230					235					240	
Lys	Lys	Arg	Leu	Gln	Val	Gly	Gly	Phe	Glu	His	Ala	Arg	Ala	Ala	
				245					250					255	
Phe	Gly	Gln	Val	Arg	Arg	Tyr	Lys	Gly	Leu	Met	Asp	Cys	Ala	Lys	
				260					265					270	
Gln	Val	Leu	Gln	Lys	Glu	Gly	Ala	Leu	Gly	Phe	Phe	Lys	Gly	Leu	
				275					280					285	
Ser	Pro	Ser	Leu	Leu	Lys	Ala	Ala	Leu	Ser	Thr	Gly	Phe	Met	Phe	
				290					295					300	
Phe	Ser	Tyr	Glu	Phe	Phe	Cys	Asn	Val	Phe	His	Cys	Met	Asn	Arg	
				305					310					315	
Thr	Ala	Ser	Gln	Arg											
				320											

<210> 13

<211> 343

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 208836

<400> 13

Met	Ala	Glu	Gln	Leu	Ser	Pro	Gly	Lys	Ala	Val	Asp	Gln	Val	Cys	
1				5					10					15	
Thr	Phe	Leu	Phe	Lys	Lys	Pro	Gly	Arg	Lys	Gly	Ala	Ala	Gly	Arg	
				20					25					30	
Arg	Lys	Arg	Pro	Ala	Cys	Asp	Pro	Glu	Pro	Gly	Glu	Ser	Gly	Ser	
				35					40					45	
Ser	Ser	Asp	Glu	Gly	Cys	Thr	Val	Val	Arg	Pro	Glu	Lys	Lys	Arg	
				50					55					60	
Val	Thr	His	Asn	Pro	Met	Met	Gln	Lys	Thr	Arg	Asp	Ser	Gly	Lys	
				65					70					75	
Gln	Lys	Ala	Ala	Tyr	Gly	Asp	Leu	Ser	Ser	Glu	Glu	Glu	Glu	Glu	
				80					85					90	
Asn	Glu	Pro	Glu	Ser	Leu	Gly	Val	Val	Tyr	Lys	Ser	Thr	Arg	Ser	
				95					100					105	
Ala	Lys	Pro	Val	Gly	Pro	Glu	Asp	Met	Gly	Ala	Thr	Ala	Val	Tyr	
				110					115					120	
Glu	Leu	Asp	Thr	Glu	Lys	Glu	Arg	Asp	Ala	Gln	Ala	Ile	Phe	Glu	

PF-0356-3 DIV

	125		130		135
Arg Ser Gln Lys	Ile Gln Glu Glu Leu	Arg Gly Lys Glu Asp Asp			
	140		145		150
Lys Ile Tyr Arg	Gly Ile Asn Asn Tyr	Gln Lys Tyr Met Lys Pro			
	155		160		165
Lys Asp Thr Ser	Met Gly Asn Ala Ser	Ser Gly Met Val Arg Lys			
	170		175		180
Gly Pro Ile Arg	Ala Pro Glu His Leu	Arg Ala Thr Val Arg Trp			
	185		190		195
Asp Tyr Gln Pro	Asp Ile Cys Lys Asp	Tyr Lys Glu Thr Gly Phe			
	200		205		210
Cys Gly Phe Gly	Asp Ser Cys Lys Phe	Leu His Asp Arg Ser Asp			
	215		220		225
Tyr Lys His Gly	Trp Gln Ile Glu Arg	Glu Leu Asp Glu Gly Arg			
	230		235		240
Tyr Gly Val Tyr	Glu Asp Glu Asn Tyr	Glu Val Gly Ser Asp Asp			
	245		250		255
Glu Glu Ile Pro	Phe Lys Cys Phe Ile	Cys Arg Gln Ser Phe Gln			
	260		265		270
Asn Pro Val Val	Thr Lys Cys Arg His	Tyr Phe Cys Glu Ser Cys			
	275		280		285
Ala Leu Gln His	Phe Arg Thr Thr Pro	Arg Cys Tyr Val Cys Asp			
	290		295		300
Gln Gln Thr Asn	Gly Val Phe Asn Pro	Ala Lys Glu Leu Ile Ala			
	305		310		315
Lys Leu Glu Lys	His Arg Ala Thr Gly	Glu Gly Gly Ala Ser Asp			
	320		325		330
Leu Pro Glu Asp	Pro Asp Glu Asp Ala	Ile Pro Ile Thr			
	335		340		

<210> 14

<211> 368

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 569710

<400> 14

Met Ser Ala Gln Ser Val Glu Glu Asp Ser Ile Leu Ile Ile Pro		
1	5	10 15
Thr Pro Asp Glu Glu Glu Lys Ile Leu Arg Val Lys Leu Glu Glu		
	20	25 30
Asp Pro Asp Gly Glu Glu Gly Ser Ser Ile Pro Trp Asn His Leu		
	35	40 45
Pro Asp Pro Glu Ile Phe Arg Gln Arg Phe Arg Gln Phe Gly Tyr		
	50	55 60
Gln Asp Ser Pro Gly Pro Arg Glu Ala Val Ser Gln Leu Arg Glu		
	65	70 75

PF-0356-3 DIV

Leu	Cys	Arg	Leu	Trp	Leu	Arg	Pro	Glu	Thr	His	Thr	Lys	Glu	Gln	80	85	90
Ile	Leu	Glu	Leu	Val	Val	Leu	Glu	Gln	Phe	Val	Ala	Ile	Leu	Pro	95	100	105
Lys	Glu	Leu	Gln	Thr	Trp	Val	Arg	Asp	His	His	Pro	Glu	Asn	Gly	110	115	120
Glu	Glu	Ala	Val	Thr	Val	Leu	Glu	Asp	Leu	Glu	Ser	Glu	Leu	Asp	125	130	135
Asp	Pro	Gly	Gln	Pro	Val	Ser	Leu	Arg	Arg	Arg	Lys	Arg	Glu	Val	140	145	150
Leu	Val	Glu	Asp	Met	Val	Ser	Gln	Glu	Glu	Ala	Gln	Gly	Leu	Pro	155	160	165
Ser	Ser	Glu	Leu	Asp	Ala	Val	Glu	Asn	Gln	Leu	Lys	Trp	Ala	Ser	170	175	180
Trp	Glu	Leu	His	Ser	Leu	Arg	His	Cys	Asp	Asp	Asp	Gly	Arg	Thr	185	190	195
Glu	Asn	Gly	Ala	Leu	Ala	Pro	Lys	Gln	Glu	Leu	Pro	Ser	Ala	Leu	200	205	210
Glu	Ser	His	Glu	Val	Pro	Gly	Thr	Leu	Ser	Met	Gly	Val	Pro	Gln	215	220	225
Ile	Phe	Lys	Tyr	Gly	Glu	Thr	Cys	Phe	Pro	Lys	Gly	Arg	Phe	Glu	230	235	240
Arg	Lys	Arg	Asn	Pro	Ser	Arg	Lys	Lys	Gln	His	Ile	Cys	Asp	Glu	245	250	255
Cys	Gly	Lys	His	Phe	Ser	Gln	Gly	Ser	Ala	Leu	Ile	Leu	His	Gln	260	265	270
Arg	Ile	His	Ser	Gly	Glu	Lys	Pro	Tyr	Gly	Cys	Val	Glu	Cys	Gly	275	280	285
Lys	Ala	Phe	Ser	Arg	Ser	Ser	Ile	Leu	Val	Gln	His	Gln	Arg	Val	290	295	300
His	Thr	Gly	Glu	Lys	Pro	Tyr	Lys	Cys	Leu	Glu	Cys	Gly	Lys	Ala	305	310	315
Phe	Ser	Gln	Asn	Ser	Gly	Leu	Ile	Asn	His	Gln	Arg	Ile	His	Thr	320	325	330
Gly	Glu	Lys	Pro	Tyr	Glu	Cys	Val	Gln	Cys	Gly	Lys	Ser	Tyr	Ser	335	340	345
Gln	Ser	Ser	Asn	Leu	Phe	Arg	His	Gln	Arg	Arg	His	Asn	Ala	Glu	350	355	360
Lys	Leu	Leu	Asn	Val	Val	Lys	Val								365		

<210> 15

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 606742

PF-0356-3 DIV

<400> 15

Met	Glu	Gly	Pro	Arg	Arg	Gly	Pro	Glu	Val	Gly	Gly	Phe	Cys	Lys	
1				5					10					15	
Tyr	Arg	Leu	Leu	Arg	Val	Ser	Arg	Ala	Leu	Cys	His	Asp	Thr	Ser	
				20					25					30	
Leu	Gly	Leu	Thr	Trp	Leu	Arg	Thr	Cys	Ser	Val	Arg	Gly	Phe	Val	
				35					40					45	
Arg	Thr	Leu	Pro	Phe	Cys	Leu	Lys	Leu	Lys	Ala	Lys	Glu	Asn	Asp	
				50					55					60	
Arg	Arg	Leu	Arg	Thr	Glu	Leu	Thr	Leu	Ala	Pro	Gly	Trp	Glu	Ala	
				65					70					75	
Ala	Ala	Leu	Leu	Asp	Ala	Thr	Tyr	Cys	Lys	Trp	Pro	Glu	Tyr	Gln	
				80					85					90	
Arg	Gly	Gly	Phe	His	Gly	Gln	Met	His	Ser	Arg	Cys	Leu	Pro	Leu	
				95					100					105	
His	Leu	Asp	His	Leu	Val	Val	Phe	Lys	Phe	Leu	Val	Pro	Glu	Ala	
				110					115					120	
Lys	Ser	Thr	Thr	Cys	Leu	Leu	Val	Thr	Cys	Leu	Pro	Ala	Val	Val	
				125					130					135	
Val	Asp	Val	Leu	Ala	Gly	Arg	Phe	Gly	Ile	Ser	His	Gln	Ser	Phe	
				140					145					150	
Cys	Thr	Val	Leu	Val	Ser	Ser	Ile								
				155											

<210> 16

<211> 334

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 611135

<400> 16

Met	Ala	Thr	Arg	Gln	Arg	Glu	Ser	Ser	Ile	Thr	Ser	Cys	Cys	Ser	
1				5					10					15	
Thr	Ser	Ser	Cys	Asp	Ala	Asp	Asp	Glu	Gly	Val	Arg	Gly	Thr	Cys	
				20					25					30	
Glu	Asp	Ala	Ser	Leu	Cys	Lys	Arg	Phe	Ala	Val	Ser	Ile	Gly	Tyr	
				35					40					45	
Trp	His	Asp	Pro	Tyr	Ile	Gln	His	Phe	Val	Arg	Leu	Ser	Lys	Glu	
				50					55					60	
Arg	Lys	Ala	Pro	Glu	Ile	Asn	Arg	Gly	Tyr	Phe	Ala	Arg	Val	His	
				65					70					75	
Gly	Val	Ser	Gln	Leu	Ile	Lys	Ala	Phe	Leu	Arg	Lys	Thr	Glu	Cys	
				80					85					90	
His	Cys	Gln	Ile	Val	Asn	Leu	Gly	Ala	Gly	Met	Asp	Thr	Thr	Phe	
				95					100					105	
Trp	Arg	Leu	Lys	Asp	Glu	Asp	Leu	Leu	Pro	Ser	Lys	Tyr	Phe	Glu	
				110					115					120	



PF-0356-3 DIV

Val	Asp	Phe	Pro	Met	Ile	Val	Thr	Arg	Lys	Leu	His	Ser	Ile	Lys	125	130	135
Cys	Lys	Pro	Pro	Leu	Ser	Ser	Pro	Ile	Leu	Glu	Leu	His	Ser	Glu	140	145	150
Asp	Thr	Leu	Gln	Met	Asp	Gly	His	Ile	Leu	Asp	Ser	Lys	Arg	Tyr	155	160	165
Ala	Val	Ile	Gly	Ala	Asp	Leu	Arg	Asp	Leu	Ser	Glu	Leu	Glu	Glu	170	175	180
Lys	Leu	Lys	Lys	Cys	Asn	Met	Asn	Thr	Gln	Leu	Pro	Thr	Leu	Leu	185	190	195
Ile	Ala	Glu	Cys	Val	Leu	Val	Tyr	Met	Thr	Pro	Glu	Gln	Ser	Ala	200	205	210
Asn	Leu	Leu	Lys	Trp	Ala	Ala	Asn	Ser	Phe	Glu	Arg	Ala	Met	Phe	215	220	225
Ile	Asn	Tyr	Glu	Gln	Val	Asn	Met	Gly	Asp	Arg	Phe	Gly	Gln	Ile	230	235	240
Met	Ile	Glu	Asn	Leu	Arg	Arg	Arg	Gln	Cys	Asp	Leu	Ala	Gly	Val	245	250	255
Glu	Thr	Cys	Lys	Ser	Leu	Glu	Ser	Gln	Lys	Glu	Arg	Leu	Leu	Ser	260	265	270
Asn	Gly	Trp	Glu	Thr	Ala	Ser	Ala	Val	Asp	Met	Met	Glu	Leu	Tyr	275	280	285
Asn	Arg	Leu	Pro	Arg	Ala	Glu	Val	Ser	Arg	Ile	Glu	Ser	Leu	Glu	290	295	300
Phe	Leu	Asp	Glu	Met	Glu	Leu	Leu	Glu	Gln	Leu	Met	Arg	His	Tyr	305	310	315
Cys	Leu	Cys	Trp	Ala	Thr	Lys	Gly	Gly	Asn	Glu	Leu	Gly	Leu	Lys	320	325	330
Glu	Ile	Thr	Tyr														

<210> 17

<211> 488

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 641127

<400> 17

Met	Ala	Ser	Thr	Ile	Thr	Gly	Ser	Gln	Asp	Cys	Ile	Val	Asn	His	1	5	10	15
Arg	Gly	Glu	Val	Asp	Gly	Glu	Pro	Glu	Leu	Asp	Ile	Ser	Pro	Cys	20	25	30	35
Gln	Gln	Trp	Gly	Glu	Ala	Ser	Ser	Pro	Ile	Ser	Arg	Asn	Arg	Asp	40	45	50	55
Ser	Val	Met	Thr	Leu	Gln	Ser	Gly	Cys	Phe	Glu	Asn	Ile	Glu	Ser	60	65	70	75
Glu	Thr	Tyr	Leu	Pro	Leu	Lys	Val	Ser	Ser	Gln	Ile	Asp	Thr	Gln	80	85	90	95

PF-0356-3 DIV

	65		70		75
Asp Ser Ser Val	Lys Phe Cys Lys Asn	Glu Pro Gln Asp His	Gln		
	80		85		90
Glu Ser Arg Arg	Leu Phe Val Met Glu	Glu Ser Thr Glu Arg	Lys		
	95		100		105
Val Ile Lys Gly	Glu Ser Cys Ser Glu	Asn Leu Gln Val Lys	Leu		
	110		115		120
Val Ser Asp Gly	Gln Glu Leu Ala Ser	Pro Leu Leu Asn Gly	Glu		
	125		130		135
Ala Thr Cys Gln	Asn Gly Gln Leu Lys	Glu Ser Leu Asp Pro	Ile		
	140		145		150
Asp Cys Asn Cys	Lys Asp Ile His Gly	Trp Lys Ser Gln Val	Val		
	155		160		165
Ser Cys Ser Gln	Gln Arg Gly His Thr	Glu Glu Lys Pro Cys	Asp		
	170		175		180
His Asn Asn Cys	Gly Lys Ile Leu Asn	Thr Ser Pro Asp Gly	His		
	185		190		195
Pro Tyr Glu Lys	Ile His Thr Ala Glu	Lys Gln Tyr Glu Gly	Ser		
	200		205		210
Gln Cys Gly Lys	Asn Phe Ser Gln Ser	Ser Glu Leu Leu Leu	His		
	215		220		225
Gln Arg Asp His	Thr Glu Glu Lys Pro	Tyr Lys Cys Glu Gln	Cys		
	230		235		240
Gly Lys Gly Phe	Thr Arg Ser Ser Ser	Leu Leu Ile His Gln	Ala		
	245		250		255
Val His Thr Asp	Glu Lys Pro Tyr Lys	Cys Asp Lys Cys Gly	Lys		
	260		265		270
Gly Phe Thr Arg	Ser Ser Ser Leu Leu	Ile His His Ala Val	His		
	275		280		285
Thr Gly Glu Lys	Pro Tyr Lys Cys Asp	Lys Cys Gly Lys Gly	Phe		
	290		295		300
Ser Gln Ser Ser	Lys Leu His Ile His	Gln Arg Val His Thr	Gly		
	305		310		315
Glu Lys Pro Tyr	Glu Cys Glu Glu Cys	Gly Met Ser Phe Ser	Gln		
	320		325		330
Arg Ser Asn Leu	His Ile His Gln Arg	Val His Thr Gly Glu	Arg		
	335		340		345
Pro Tyr Lys Cys	Gly Glu Cys Gly Lys	Gly Phe Ser Gln Ser	Ser		
	350		355		360
Asn Leu His Ile	His Arg Cys Ile His	Thr Gly Glu Lys Pro	Tyr		
	365		370		375
Gln Cys Tyr Glu	Cys Gly Lys Gly Phe	Ser Gln Ser Ser Asp	Leu		
	380		385		390
Arg Ile His Leu	Arg Val His Thr Gly	Glu Lys Pro Tyr His	Cys		
	395		400		405
Gly Lys Cys Gly	Lys Gly Phe Ser Gln	Ser Ser Lys Leu Leu	Ile		
	410		415		420
His Gln Arg Val	His Thr Gly Glu Lys	Pro Tyr Glu Cys Ser	Lys		
	425		430		435
Cys Gly Lys Gly	Phe Ser Gln Ser Ser	Asn Leu His Ile His	Gln		

PF-0356-3 DIV

	440		445		450									
Arg	Val	His	Lys	Arg	Asp	Pro	Arg	Ala	His	Pro	Gly	Leu	His	Ser
			455						460					465
Ala	His	Thr	Val	Asn	Thr	Val	Lys	Tyr	Leu	Val	Ser	Leu	Leu	Leu
			470						475					480
Tyr	Ile	Leu	Gln	Arg	Arg	Glu	Met							
			485											

<210> 18

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 691768

<220>

<221> unsure

<222> 216, 218, 230, 233, 246, 250

<223> unknown or other

<400> 18

Met	Gly	Arg	Asn	Lys	Lys	Lys	Lys	Arg	Asp	Gly	Asp	Asp	Arg	Arg
1				5					10					15
Pro	Arg	Leu	Val	Leu	Ser	Phe	Asp	Glu	Glu	Lys	Arg	Arg	Glu	Tyr
				20					25					30
Leu	Thr	Gly	Phe	His	Lys	Arg	Lys	Val	Glu	Arg	Lys	Lys	Ala	Ala
				35					40					45
Ile	Glu	Glu	Ile	Lys	Gln	Arg	Leu	Lys	Glu	Glu	Gln	Arg	Lys	Leu
				50					55					60
Arg	Glu	Glu	Arg	His	Gln	Glu	Tyr	Leu	Lys	Met	Leu	Ala	Glu	Arg
				65					70					75
Glu	Glu	Ala	Leu	Glu	Glu	Ala	Asp	Glu	Leu	Asp	Arg	Leu	Val	Thr
				80					85					90
Ala	Lys	Thr	Glu	Ser	Val	Gln	Tyr	Asp	His	Pro	Asn	His	Thr	Val
				95					100					105
Thr	Val	Thr	Thr	Ile	Ser	Asp	Leu	Asp	Leu	Ser	Gly	Ala	Arg	Leu
				110					115					120
Leu	Gly	Leu	Thr	Pro	Pro	Glu	Gly	Gly	Ala	Gly	Asp	Arg	Ser	Glu
				125					130					135
Glu	Glu	Ala	Ser	Ser	Thr	Glu	Lys	Pro	Thr	Lys	Ala	Leu	Pro	Arg
				140					145					150
Lys	Ser	Arg	Asp	Pro	Leu	Leu	Ser	Gln	Arg	Ile	Ser	Ser	Leu	Thr
				155					160					165
Ala	Ser	Leu	His	Ala	His	Ser	Arg	Lys	Lys	Val	Lys	Arg	Lys	His
				170					175					180
Ser	Arg	Arg	Ala	Gln	Asp	Ser	Lys	Lys	Pro	Pro	Lys	Gly	Pro	Ser
				185					190					195
Tyr	Gln	Gln	Arg	Pro	Ser	Gly	Ala	Val	Phe	Thr	Gly	Lys	Ala	Pro

PF-0356-3 DIV

	200		205		210									
Ala	Gln	Arg	Gly	Asn	Xaa	Arg	Xaa	Glu	Asn	Glu	Ala	Gly	Cys	Pro
	215								220					225
His	Ser	Lys	Ala	Xaa	Arg	Gly	Xaa	Cys	Ser	Leu	Gly	Ser	Ala	Leu
	230								235					240
Ala	Val	Pro	Leu	Leu	Xaa	Pro	Ala	Leu	Xaa	Leu	Lys	Val	Leu	Pro
	245								250					255

<210> 19

<211> 351

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 724157

<400> 19

Met	Ala	Asp	Gln	Asp	Pro	Ala	Gly	Ile	Ser	Pro	Leu	Gln	Gln	Met
1				5					10					15
Val	Ala	Ser	Gly	Thr	Gly	Ala	Val	Val	Thr	Ser	Leu	Phe	Met	Thr
				20					25					30
Pro	Leu	Asp	Val	Val	Lys	Val	Arg	Leu	Gln	Ser	Gln	Arg	Pro	Ser
				35					40					45
Met	Ala	Ser	Glu	Leu	Met	Pro	Ser	Ser	Arg	Leu	Trp	Ser	Leu	Ser
				50					55					60
Tyr	Thr	Lys	Trp	Lys	Cys	Leu	Leu	Tyr	Cys	Asn	Gly	Val	Leu	Glu
				65					70					75
Pro	Leu	Tyr	Leu	Cys	Pro	Asn	Gly	Ala	Arg	Cys	Ala	Thr	Trp	Phe
				80					85					90
Gln	Asp	Pro	Thr	Arg	Phe	Thr	Gly	Thr	Met	Asp	Ala	Phe	Val	Lys
				95					100					105
Ile	Val	Arg	His	Glu	Gly	Thr	Arg	Thr	Leu	Trp	Ser	Gly	Leu	Pro
				110					115					120
Ala	Thr	Leu	Val	Met	Thr	Val	Pro	Ala	Thr	Ala	Ile	Tyr	Phe	Thr
				125					130					135
Ala	Tyr	Asp	Gln	Leu	Lys	Ala	Phe	Leu	Cys	Gly	Arg	Ala	Leu	Thr
				140					145					150
Ser	Asp	Leu	Tyr	Ala	Pro	Met	Val	Ala	Gly	Ala	Leu	Ala	Arg	Leu
				155					160					165
Gly	Thr	Val	Thr	Val	Ile	Ser	Pro	Leu	Glu	Leu	Met	Arg	Thr	Lys
				170					175					180
Leu	Gln	Ala	Gln	His	Val	Ser	Tyr	Arg	Glu	Leu	Gly	Ala	Cys	Val
				185					190					195
Arg	Thr	Ala	Val	Ala	Gln	Gly	Gly	Trp	Arg	Ser	Leu	Trp	Leu	Gly
				200					205					210
Trp	Gly	Pro	Thr	Ala	Leu	Arg	Asp	Val	Pro	Phe	Ser	Ala	Leu	Tyr
				215					220					225
Trp	Phe	Asn	Tyr	Glu	Leu	Val	Lys	Ser	Trp	Leu	Asn	Gly	Leu	Arg

PF-0356-3 DIV

230	235	240
Pro Lys Asp Gln Thr Ser Val Gly Met Ser Phe Val Ala Gly Gly		
245	250	255
Ile Ser Gly Thr Val Ala Ala Val Leu Thr Leu Pro Phe Asp Val		
260	265	270
Val Lys Thr Gln Arg Gln Val Ala Leu Gly Ala Met Glu Ala Val		
275	280	285
Arg Val Asn Pro Leu His Val Asp Ser Thr Trp Leu Leu Leu Arg		
290	295	300
Arg Ile Arg Ala Glu Ser Gly Thr Lys Gly Leu Phe Ala Gly Phe		
305	310	315
Leu Pro Arg Ile Ile Lys Ala Ala Pro Ser Cys Ala Ile Met Ile		
320	325	330
Ser Thr Tyr Glu Phe Gly Lys Ser Phe Phe Gln Arg Leu Asn Gln		
335	340	345
Asp Arg Leu Leu Gly Gly		
350		

<210> 20

<211> 535

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 864683

<400> 20

Met Ser Glu Gly Glu Ser Gln Thr Val Leu Ser Ser Gly Ser Asp		
1	5	10
Pro Lys Val Glu Ser Ser Ser Ser Ala Pro Gly Leu Thr Ser Val		
20	25	30
Ser Pro Pro Val Thr Ser Thr Thr Ser Ala Ala Ser Pro Glu Glu		
35	40	45
Glu Glu Glu Ser Glu Asp Glu Ser Glu Ile Leu Glu Glu Ser Pro		
50	55	60
Cys Gly Arg Trp Gln Lys Arg Arg Glu Glu Val Asn Gln Arg Asn		
65	70	75
Val Pro Gly Ile Asp Ser Ala Tyr Leu Ala Met Asp Thr Glu Glu		
80	85	90
Gly Val Glu Val Val Trp Asn Glu Val Gln Phe Ser Glu Arg Lys		
95	100	105
Asn Tyr Lys Leu Gln Glu Glu Lys Val Arg Ala Val Phe Asp Asn		
110	115	120
Leu Ile Gln Leu Glu His Leu Asn Ile Val Lys Phe His Lys Tyr		
125	130	135
Trp Ala Asp Ile Lys Glu Asn Lys Ala Arg Val Ile Phe Ile Thr		
140	145	150
Glu Tyr Met Ser Ser Gly Ser Leu Lys Gln Phe Leu Lys Lys Thr		
155	160	165

PF-0356-3 DIV

Lys	Lys	Asn	His	Lys	Thr	Met	Asn	Glu	Lys	Ala	Trp	Lys	Arg	Trp	
				170					175					180	
Cys	Thr	Gln	Ile	Leu	Ser	Ala	Leu	Ser	Tyr	Leu	His	Ser	Cys	Asp	
				185					190					195	
Pro	Pro	Ile	Ile	His	Gly	Asn	Leu	Thr	Cys	Asp	Thr	Ile	Phe	Ile	
				200					205					210	
Gln	His	Asn	Gly	Leu	Ile	Lys	Ile	Gly	Ser	Val	Ala	Pro	Asp	Thr	
				215					220					225	
Ile	Asn	Asn	His	Val	Lys	Thr	Cys	Arg	Glu	Glu	Gln	Lys	Asn	Leu	
				230					235					240	
His	Phe	Phe	Ala	Pro	Glu	Tyr	Gly	Glu	Val	Thr	Asn	Val	Thr	Thr	
				245					250					255	
Ala	Val	Asp	Ile	Tyr	Ser	Phe	Gly	Met	Cys	Ala	Leu	Glu	Met	Ala	
				260					265					270	
Val	Leu	Glu	Ile	Gln	Gly	Asn	Gly	Glu	Ser	Ser	Tyr	Val	Pro	Gln	
				275					280					285	
Glu	Ala	Ile	Ser	Ser	Ala	Ile	Gln	Leu	Leu	Glu	Asp	Pro	Leu	Gln	
				290					295					300	
Arg	Glu	Phe	Ile	Gln	Lys	Cys	Leu	Gln	Ser	Glu	Pro	Ala	Arg	Arg	
				305					310					315	
Pro	Thr	Ala	Arg	Glu	Leu	Leu	Phe	His	Pro	Ala	Leu	Phe	Glu	Val	
				320					325					330	
Pro	Ser	Leu	Lys	Leu	Leu	Ala	Ala	His	Cys	Ile	Val	Gly	His	Gln	
				335					340					345	
His	Met	Ile	Pro	Glu	Asn	Ala	Leu	Glu	Glu	Ile	Thr	Lys	Asn	Met	
				350					355					360	
Asp	Thr	Ser	Ala	Val	Leu	Ala	Glu	Ile	Pro	Ala	Gly	Pro	Gly	Arg	
				365					370					375	
Glu	Pro	Val	Gln	Thr	Leu	Tyr	Ser	Gln	Ser	Pro	Ala	Leu	Glu	Leu	
				380					385					390	
Asp	Lys	Phe	Leu	Glu	Asp	Val	Arg	Asn	Gly	Ile	Tyr	Pro	Leu	Thr	
				395					400					405	
Ala	Phe	Gly	Leu	Pro	Arg	Pro	Gln	Gln	Pro	Gln	Gln	Glu	Glu	Val	
				410					415					420	
Thr	Ser	Pro	Val	Val	Pro	Pro	Ser	Val	Lys	Thr	Pro	Thr	Pro	Glu	
				425					430					435	
Pro	Ala	Glu	Val	Glu	Thr	Arg	Lys	Val	Val	Leu	Met	Gln	Cys	Asn	
				440					445					450	
Ile	Glu	Ser	Val	Glu	Glu	Gly	Val	Lys	His	His	Leu	Thr	Leu	Leu	
				455					460					465	
Leu	Lys	Leu	Glu	Asp	Lys	Leu	Asn	Arg	His	Leu	Ser	Cys	Asp	Leu	
				470					475					480	
Met	Pro	Asn	Glu	Asn	Ile	Pro	Glu	Leu	Ala	Ala	Glu	Leu	Val	Gln	
				485					490					495	
Leu	Gly	Phe	Ile	Ser	Glu	Ala	Asp	Gln	Ser	Arg	Leu	Thr	Ser	Leu	
				500					505					510	
Leu	Glu	Glu	Thr	Leu	Asn	Lys	Phe	Asn	Phe	Ala	Arg	Asn	Ser	Thr	
				515					520					525	
Leu	Asn	Ser	Ala	Ala	Val	Thr	Val	Ser	Ser						
				530					535						

PF-0356-3 DIV

<210> 21  
<211> 201  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 933353

<400> 21  
Met Ala Ala Thr Ala Leu Leu Glu Ala Gly Leu Ala Arg Val Leu  
1 5 10 15  
Phe Tyr Pro Thr Leu Leu Tyr Thr Leu Phe Arg Gly Lys Val Pro  
20 25 30  
Gly Arg Ala His Arg Asp Trp Tyr His Arg Ile Asp Pro Thr Val  
35 40 45  
Leu Leu Gly Ala Leu Pro Leu Arg Ser Leu Thr Arg Gln Leu Val  
50 55 60  
Gln Asp Glu Asn Val Arg Gly Val Ile Thr Met Asn Glu Glu Tyr  
65 70 75  
Glu Thr Arg Phe Leu Cys Asn Ser Ser Gln Glu Trp Lys Arg Leu  
80 85 90  
Gly Val Glu Gln Leu Arg Leu Ser Thr Val Asp Met Thr Gly Ile  
95 100 105  
Pro Thr Leu Asp Asn Leu Gln Lys Gly Val Gln Phe Ala Leu Lys  
110 115 120  
Tyr Gln Ser Leu Gly Gln Cys Val Tyr Val His Cys Lys Ala Gly  
125 130 135  
Arg Ser Arg Ser Ala Thr Met Val Ala Ala Tyr Leu Ile Gln Val  
140 145 150  
His Lys Trp Ser Pro Glu Glu Ala Val Arg Ala Ile Ala Lys Ile  
155 160 165  
Arg Ser Tyr Ile His Ile Arg Pro Gly Gln Leu Asp Val Leu Lys  
170 175 180  
Glu Phe His Lys Gln Ile Thr Ala Arg Ala Thr Lys Asp Gly Thr  
185 190 195  
Phe Val Ile Ser Lys Thr  
200

<210> 22  
<211> 239  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1404643

<400> 22  
Met Ala Tyr Gln Ser Leu Arg Leu Glu Tyr Leu Gln Ile Pro Pro

PF-0356-3 DIV

1	5	10	15
Val Ser Arg Ala Tyr Thr Thr Ala Cys Val Leu Thr Thr Ala Ala	20	25	30
Val Gln Leu Glu Leu Ile Thr Pro Phe Gln Leu Tyr Phe Asn Pro	35	40	45
Glu Leu Ile Phe Lys His Phe Gln Ile Trp Arg Leu Ile Thr Asn	50	55	60
Phe Leu Phe Phe Gly Pro Val Gly Phe Asn Phe Leu Phe Asn Met	65	70	75
Ile Phe Leu Tyr Arg Tyr Cys Arg Met Leu Glu Glu Gly Ser Phe	80	85	90
Arg Gly Arg Thr Ala Asp Phe Val Phe Met Phe Leu Phe Gly Gly	95	100	105
Phe Leu Met Thr Leu Phe Gly Leu Phe Val Ser Leu Val Phe Leu	110	115	120
Gly Gln Ala Phe Thr Ile Met Leu Val Tyr Val Trp Ser Arg Arg	125	130	135
Asn Pro Tyr Val Arg Met Asn Phe Phe Gly Leu Leu Asn Phe Gln	140	145	150
Ala Pro Phe Leu Pro Trp Val Leu Met Gly Phe Ser Leu Leu Leu	155	160	165
Gly Asn Ser Ile Ile Val Asp Leu Leu Gly Ile Ala Val Gly His	170	175	180
Ile Tyr Phe Phe Leu Glu Asp Val Phe Pro Asn Gln Pro Gly Gly	185	190	195
Ile Arg Ile Leu Lys Thr Pro Ser Ile Leu Lys Ala Ile Phe Asp	200	205	210
Thr Pro Asp Glu Asp Pro Asn Tyr Asn Pro Leu Pro Glu Glu Arg	215	220	225
Pro Gly Gly Phe Ala Trp Gly Glu Gly Gln Arg Leu Gly Gly	230	235	

<210> 23

<211> 244

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1561587

<400> 23

Met Met Arg Thr Gln Cys Leu Leu Gly Leu Arg Thr Phe Val Ala	1	5	10	15
Phe Ala Ala Lys Leu Trp Ser Phe Phe Ile Tyr Leu Leu Arg Arg	20	25	30	
Gln Ile Arg Thr Val Ile Gln Tyr Gln Thr Val Arg Tyr Asp Ile	35	40	45	
Leu Pro Leu Ser Pro Val Ser Arg Asn Arg Leu Ala Gln Val Lys	50	55	60	



PF-0356-3 DIV

Arg	Lys	Ile	Leu	Val	Leu	Asp	Leu	Asp	Glu	Thr	Leu	Ile	His	Ser
			65						70					75
His	His	Asp	Gly	Val	Leu	Arg	Pro	Thr	Val	Arg	Pro	Gly	Thr	Pro
			80						85					90
Pro	Asp	Phe	Ile	Leu	Lys	Val	Val	Ile	Asp	Lys	His	Pro	Val	Arg
			95						100					105
Phe	Phe	Val	His	Lys	Arg	Pro	His	Val	Asp	Phe	Phe	Leu	Glu	Val
			110						115					120
Val	Ser	Gln	Trp	Tyr	Glu	Leu	Val	Val	Phe	Thr	Ala	Ser	Met	Glu
			125						130					135
Ile	Tyr	Gly	Ser	Ala	Val	Ala	Asp	Lys	Leu	Asp	Asn	Ser	Arg	Ser
			140						145					150
Ile	Leu	Lys	Arg	Arg	Tyr	Tyr	Arg	Gln	His	Cys	Thr	Leu	Glu	Leu
			155						160					165
Gly	Ser	Tyr	Ile	Lys	Asp	Leu	Ser	Val	Val	His	Ser	Asp	Leu	Ser
			170						175					180
Ser	Ile	Val	Ile	Leu	Asp	Asn	Ser	Pro	Gly	Ala	Tyr	Arg	Ser	His
			185						190					195
Pro	Asp	Asn	Ala	Ile	Pro	Ile	Lys	Ser	Trp	Phe	Ser	Asp	Pro	Ser
			200						205					210
Asp	Thr	Ala	Leu	Leu	Asn	Leu	Leu	Pro	Met	Leu	Asp	Ala	Leu	Arg
			215						220					225
Phe	Thr	Ala	Asp	Val	Arg	Ser	Val	Leu	Ser	Arg	Asn	Leu	His	Gln
			230						235					240
His	Arg	Leu	Trp											

<210> 24

<211> 431

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1568361

<220>

<221> unsure

<222> 218

<223> unknown or other

<400> 24

Met	Ser	Ser	Val	Glu	Glu	Asp	Asp	Tyr	Asp	Thr	Leu	Thr	Asp	Ile
1			5					10						15
Asp	Ser	Asp	Lys	Asn	Val	Ile	Arg	Thr	Lys	Gln	Tyr	Leu	Tyr	Val
			20					25						30
Ala	Asp	Leu	Ala	Arg	Lys	Asp	Lys	Arg	Val	Leu	Arg	Lys	Lys	Tyr
			35					40						45
Gln	Ile	Tyr	Phe	Trp	Asn	Ile	Ala	Thr	Ile	Ala	Val	Phe	Tyr	Ala
			50					55						60

PF-0356-3 DIV

Leu	Pro	Val	Val	Gln	Leu	Val	Ile	Thr	Tyr	Gln	Thr	Val	Val	Asn	
				65					70					75	
Val	Thr	Gly	Asn	Gln	Asp	Ile	Cys	Tyr	Tyr	Asn	Phe	Leu	Cys	Ala	
				80					85					90	
His	Pro	Leu	Gly	Asn	Leu	Ser	Ala	Phe	Asn	Asn	Ile	Leu	Ser	Asn	
				95					100					105	
Leu	Gly	Tyr	Ile	Leu	Leu	Gly	Leu	Leu	Phe	Leu	Leu	Ile	Ile	Leu	
				110					115					120	
Gln	Arg	Glu	Ile	Asn	His	Asn	Arg	Ala	Leu	Leu	Arg	Asn	Asp	Leu	
				125					130					135	
Cys	Ala	Leu	Glu	Cys	Gly	Ile	Pro	Lys	His	Phe	Gly	Leu	Phe	Tyr	
				140					145					150	
Ala	Met	Gly	Thr	Ala	Leu	Met	Met	Glu	Gly	Leu	Leu	Ser	Ala	Cys	
				155					160					165	
Tyr	His	Val	Cys	Pro	Asn	Tyr	Thr	Asn	Phe	Gln	Phe	Asp	Thr	Ser	
				170					175					180	
Phe	Met	Tyr	Met	Ile	Ala	Gly	Leu	Cys	Met	Leu	Lys	Leu	Tyr	Gln	
				185					190					195	
Lys	Arg	His	Pro	Asp	Ile	Asn	Ala	Ser	Ala	Tyr	Ser	Ala	Tyr	Ala	
				200					205					210	
Cys	Leu	Ala	Ile	Val	Ile	Phe	Xaa	Ser	Val	Leu	Gly	Val	Val	Phe	
				215					220					225	
Gly	Lys	Gly	Asn	Thr	Ala	Phe	Trp	Ile	Val	Phe	Ser	Ile	Ile	His	
				230					235					240	
Ile	Ile	Ala	Thr	Leu	Leu	Leu	Ser	Thr	Gln	Leu	Tyr	Tyr	Met	Gly	
				245					250					255	
Arg	Trp	Lys	Leu	Asp	Ser	Gly	Ile	Phe	Arg	Arg	Ile	Leu	His	Val	
				260					265					270	
Leu	Tyr	Thr	Asp	Cys	Ile	Arg	Gln	Cys	Ser	Gly	Pro	Leu	Tyr	Val	
				275					280					285	
Asp	Arg	Met	Val	Leu	Leu	Val	Met	Gly	Asn	Val	Ile	Asn	Trp	Ser	
				290					295					300	
Leu	Ala	Ala	Tyr	Gly	Leu	Ile	Met	Arg	Pro	Asn	Asp	Phe	Ala	Ser	
				305					310					315	
Tyr	Leu	Leu	Ala	Ile	Gly	Ile	Cys	Asn	Leu	Leu	Leu	Tyr	Phe	Ala	
				320					325					330	
Phe	Tyr	Ile	Ile	Met	Lys	Leu	Arg	Ser	Gly	Glu	Arg	Ile	Lys	Leu	
				335					340					345	
Ile	Pro	Leu	Leu	Cys	Ile	Val	Cys	Thr	Ser	Val	Val	Trp	Gly	Phe	
				350					355					360	
Ala	Leu	Phe	Phe	Phe	Phe	Gln	Gly	Leu	Ser	Thr	Trp	Gln	Lys	Thr	
				365					370					375	
Pro	Ala	Glu	Ser	Arg	Glu	His	Asn	Arg	Asp	Cys	Ile	Leu	Leu	Asp	
				380					385					390	
Phe	Phe	Asp	Asp	His	Asp	Ile	Trp	His	Phe	Leu	Ser	Ser	Ile	Ala	
				395					400					405	
Met	Phe	Gly	Ser	Phe	Leu	Val	Leu	Leu	Thr	Leu	Asp	Asp	Asp	Leu	
				410					415					420	
Asp	Thr	Val	Gln	Arg	Asp	Lys	Ile	Tyr	Val	Phe					
				425					430						

PF-0356-3 DIV

<210> 25  
<211> 376  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1572888

<400> 25  
Met Gly His Arg Phe Leu Arg Gly Leu Leu Thr Leu Leu Leu Pro  
1 5 10 15  
Pro Pro Pro Leu Tyr Thr Arg His Arg Met Leu Gly Pro Glu Ser  
20 25 30  
Val Pro Pro Pro Lys Arg Ser Arg Ser Lys Leu Met Ala Pro Pro  
35 40 45  
Arg Ile Gly Thr His Asn Gly Thr Phe His Cys Asp Glu Ala Leu  
50 55 60  
Ala Cys Ala Leu Leu Arg Leu Leu Pro Glu Tyr Arg Asp Ala Glu  
65 70 75  
Ile Val Arg Thr Arg Asp Pro Glu Lys Leu Ala Ser Cys Asp Ile  
80 85 90  
Val Val Asp Val Gly Gly Glu Tyr Asp Pro Arg Arg His Arg Tyr  
95 100 105  
Asp His His Gln Arg Ser Phe Thr Glu Thr Met Ser Ser Leu Ser  
110 115 120  
Pro Gly Lys Pro Trp Gln Thr Lys Leu Ser Ser Ala Gly Leu Ile  
125 130 135  
Tyr Leu His Phe Gly His Lys Leu Leu Ala Gln Leu Leu Gly Thr  
140 145 150  
Ser Glu Glu Asp Ser Met Val Gly Thr Leu Tyr Asp Lys Met Tyr  
155 160 165  
Glu Asn Phe Val Glu Glu Val Asp Ala Val Asp Asn Gly Ile Ser  
170 175 180  
Gln Trp Ala Glu Gly Glu Pro Arg Tyr Ala Leu Thr Thr Thr Leu  
185 190 195  
Ser Ala Arg Val Ala Arg Leu Asn Pro Thr Trp Asn His Pro Asp  
200 205 210  
Gln Asp Thr Glu Ala Gly Phe Lys Arg Ala Met Asp Leu Val Gln  
215 220 225  
Glu Glu Phe Leu Gln Arg Leu Asp Phe Tyr Gln His Ser Trp Leu  
230 235 240  
Pro Ala Arg Ala Leu Val Glu Glu Ala Leu Ala Gln Arg Phe Gln  
245 250 255  
Val Asp Pro Ser Gly Glu Ile Val Glu Leu Ala Lys Gly Ala Cys  
260 265 270  
Pro Trp Lys Glu His Leu Tyr His Leu Glu Ser Gly Leu Ser Pro  
275 280 285  
Pro Val Ala Ile Phe Phe Val Ile Tyr Thr Asp Gln Ala Gly Gln  
290 295 300

PF-0356-3 DIV

Trp	Arg	Ile	Gln	Cys	Val	Pro	Lys	Glu	Pro	His	Ser	Phe	Gln	Ser
			305						310					315
Arg	Leu	Pro	Leu	Pro	Glu	Pro	Trp	Arg	Gly	Leu	Arg	Asp	Glu	Ala
			320						325					330
Leu	Asp	Gln	Val	Ser	Gly	Ile	Pro	Gly	Cys	Ile	Phe	Val	His	Ala
			335						340					345
Ser	Gly	Phe	Ile	Gly	Gly	His	Arg	Thr	Arg	Glu	Gly	Ala	Leu	Ser
			350						355					360
Met	Ala	Arg	Ala	Thr	Leu	Ala	Gln	Arg	Ser	Tyr	Leu	Pro	Gln	Ile
			365						370					375
Ser														

<210> 26

<211> 340

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1573677

<400> 26

Met	Arg	Leu	Arg	Gly	Leu	Leu	Gln	Gly	Thr	Leu	Arg	Phe	His	Thr
1				5					10					15
Ser	Pro	Pro	Thr	Asp	Ser	Ser	Val	Thr	Glu	Thr	Ile	Ile	Leu	Cys
			20						25					30
Thr	Met	Leu	Phe	Leu	Gly	Ser	Leu	Gly	Ala	Trp	Gly	Thr	Thr	Ser
			35						40					45
Ile	Ser	Thr	Gly	Ser	Ile	Phe	Ser	Leu	Lys	Thr	Leu	Arg	Ser	Gln
			50						55					60
His	Gly	Gly	Gln	Val	Gly	Leu	Lys	Val	Ser	Arg	Pro	Arg	Ala	Gln
			65						70					75
Pro	Leu	Pro	Ala	Gln	Pro	Pro	Ala	Leu	Ala	Gln	Pro	Gln	Tyr	Gln
			80						85					90
Ser	Pro	Gln	Gln	Pro	Pro	Gln	Thr	Arg	Trp	Val	Ala	Pro	Arg	Asn
			95						100					105
Arg	Asn	Ala	Ala	Phe	Gly	Gln	Ser	Gly	Gly	Ala	Gly	Ser	Asp	Ser
			110						115					120
Asn	Ser	Pro	Gly	Asn	Val	Gln	Pro	Asn	Ser	Ala	Pro	Ser	Val	Glu
			125						130					135
Ser	His	Pro	Val	Leu	Glu	Lys	Leu	Lys	Ala	Ala	His	Ser	Tyr	Asn
			140						145					150
Pro	Lys	Glu	Phe	Glu	Trp	Asn	Leu	Lys	Ser	Gly	Arg	Val	Phe	Ile
			155						160					165
Ile	Lys	Ser	Tyr	Ser	Glu	Asp	Asp	Ile	His	Arg	Ser	Ile	Lys	Tyr
			170						175					180
Ser	Ile	Trp	Cys	Ser	Thr	Glu	His	Gly	Asn	Lys	Arg	Leu	Asp	Ser
			185						190					195
Ala	Phe	Arg	Cys	Met	Ser	Ser	Lys	Gly	Pro	Val	Tyr	Leu	Leu	Phe



PF-0356-3 DIV

Val Arg Gly Pro Pro Lys Gly Lys Arg Arg Gly Gly Arg Arg Arg  
155 160 165  
Ser Arg Ser Pro Asp Arg Arg Arg Arg  
170

<210> 28  
<211> 179  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1577239

<400> 28  
Met Val Gln Ala Trp Tyr Met Asp Asp Ala Pro Gly Asp Pro Arg  
1 5 10 15  
Gln Pro His Arg Pro Asp Pro Gly Arg Pro Val Gly Leu Glu Gln  
20 25 30  
Leu Arg Arg Leu Gly Val Leu Tyr Trp Lys Leu Asp Ala Asp Lys  
35 40 45  
Tyr Glu Asn Asp Pro Glu Leu Glu Lys Ile Arg Arg Glu Arg Asn  
50 55 60  
Tyr Ser Trp Met Asp Ile Ile Thr Ile Cys Lys Asp Lys Leu Pro  
65 70 75  
Asn Tyr Glu Glu Lys Ile Lys Met Phe Tyr Glu Glu His Leu His  
80 85 90  
Leu Asp Asp Glu Ile Arg Tyr Ile Leu Asp Gly Ser Gly Tyr Phe  
95 100 105  
Asp Val Arg Asp Lys Glu Asp Gln Trp Ile Arg Ile Phe Met Glu  
110 115 120  
Lys Gly Asp Met Val Thr Leu Pro Ala Gly Ile Tyr His Arg Phe  
125 130 135  
Thr Val Asp Glu Lys Asn Tyr Thr Lys Ala Met Arg Leu Phe Val  
140 145 150  
Gly Glu Pro Val Trp Thr Ala Tyr Asn Arg Pro Ala Asp His Phe  
155 160 165  
Glu Ala Arg Gly Gln Tyr Val Lys Phe Leu Ala Gln Thr Ala  
170 175

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<223> Incyte ID No: 1598203

<400> 29

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<211> 419
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<220>
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Met	Asn	Lys	His	Gln	Lys	Pro	Val	Leu	Thr	Gly	Gln	Arg	Phe	Lys
1				5					10					15
Thr	Arg	Lys	Arg	Asp	Glu	Lys	Glu	Lys	Phe	Glu	Pro	Thr	Val	Phe
				20					25					30
Arg	Asp	Thr	Leu	Val	Gln	Gly	Leu	Asn	Glu	Ala	Gly	Asp	Asp	Leu
				35					40					45
Glu	Ala	Val	Ala	Lys	Phe	Leu	Asp	Ser	Thr	Gly	Ser	Arg	Leu	Asp
				50					55					60
Tyr	Arg	Arg	Tyr	Ala	Asp	Thr	Leu	Phe	Asp	Ile	Leu	Val	Ala	Gly
				65					70					75
Ser	Met	Leu	Ala	Pro	Gly	Gly	Thr	Arg	Ile	Asp	Asp	Gly	Asp	Lys

				80					85					90
Thr	Lys	Met	Thr	Asn	His	Cys	Val	Phe	Ser	Ala	Asn	Glu	Asp	His
				95					100					105
Glu	Thr	Ile	Arg	Asn	Tyr	Ala	Gln	Val	Phe	Asn	Lys	Leu	Ile	Arg
				110					115					120
Arg	Tyr	Lys	Tyr	Leu	Glu	Lys	Ala	Phe	Glu	Asp	Glu	Met	Lys	Lys
				125					130					135
Leu	Leu	Leu	Phe	Leu	Lys	Ala	Phe	Ser	Glu	Thr	Glu	Gln	Thr	Lys
				140					145					150
Leu	Ala	Met	Leu	Ser	Gly	Ile	Leu	Leu	Gly	Asn	Gly	Thr	Leu	Pro
				155					160					165
Ala	Thr	Ile	Leu	Thr	Ser	Leu	Phe	Thr	Asp	Ser	Leu	Val	Lys	Glu
				170					175					180
Gly	Ile	Ala	Ala	Ser	Phe	Ala	Val	Lys	Leu	Phe	Lys	Ala	Trp	Met
				185					190					195
Ala	Glu	Lys	Asp	Ala	Asn	Ser	Val	Thr	Ser	Ser	Leu	Arg	Lys	Ala
				200					205					210
Asn	Leu	Asp	Lys	Arg	Leu	Leu	Glu	Leu	Phe	Pro	Val	Asn	Arg	Gln
				215					220					225
Ser	Val	Asp	His	Phe	Ala	Lys	Tyr	Phe	Thr	Asp	Ala	Gly	Leu	Lys
				230					235					240
Glu	Leu	Ser	Asp	Phe	Leu	Arg	Val	Gln	Gln	Ser	Leu	Gly	Thr	Arg
				245					250					255
Lys	Glu	Leu	Gln	Lys	Glu	Leu	Gln	Glu	Arg	Leu	Ser	Gln	Glu	Cys
				260					265					270
Pro	Ile	Lys	Glu	Val	Val	Leu	Tyr	Val	Lys	Glu	Glu	Met	Lys	Arg
				275					280					285
Asn	Asp	Leu	Pro	Glu	Thr	Ala	Val	Ile	Gly	Leu	Leu	Trp	Thr	Cys
				290					295					300
Ile	Met	Asn	Ala	Val	Glu	Trp	Asn	Lys	Lys	Glu	Glu	Leu	Val	Ala
				305					310					315
Glu	Gln	Ala	Leu	Lys	His	Leu	Lys	Gln	Tyr	Ala	Pro	Leu	Leu	Ala
				320					325					330
Val	Phe	Ser	Ser	Gln	Gly	Gln	Ser	Glu	Leu	Ile	Leu	Leu	Gln	Lys
				335					340					345
Val	Gln	Glu	Tyr	Cys	Tyr	Asp	Asn	Ile	His	Phe	Met	Lys	Ala	Phe
				350					355					360
Gln	Lys	Ile	Val	Val	Leu	Phe	Tyr	Lys	Ala	Asp	Val	Leu	Ser	Glu
				365					370					375
Glu	Ala	Ile	Leu	Lys	Trp	Tyr	Lys	Glu	Ala	His	Val	Ala	Lys	Gly
				380					385					390
Lys	Ser	Val	Phe	Leu	Asp	Gln	Met	Lys	Lys	Phe	Val	Glu	Trp	Leu
				395					400					405
Gln	Asn	Ala	Glu	Glu	Glu	Ser	Glu	Ser	Glu	Gly	Glu	Glu	Asn	
				410					415					

<210> 31

<211> 376

<212> PRT

<213> Homo sapiens



PF-0356-3 DIV

<220>

<221> misc\_feature

<223> Incyte ID No: 1600518

<400> 31

Met	Lys	Asp	Val	Pro	Gly	Phe	Leu	Gln	Gln	Ser	Gln	Ser	Ser	Gly
1				5					10					15
Pro	Gly	Gln	Pro	Ala	Val	Trp	His	Arg	Leu	Glu	Glu	Leu	Tyr	Thr
				20					25					30
Lys	Lys	Leu	Trp	His	Gln	Leu	Thr	Leu	Gln	Val	Leu	Asp	Phe	Val
				35					40					45
Gln	Asp	Pro	Cys	Phe	Ala	Gln	Gly	Asp	Gly	Leu	Ile	Lys	Leu	Tyr
				50					55					60
Glu	Asn	Phe	Ile	Ser	Glu	Phe	Glu	His	Arg	Val	Asn	Pro	Leu	Ser
				65					70					75
Leu	Val	Glu	Ile	Ile	Leu	His	Val	Val	Arg	Gln	Met	Thr	Asp	Pro
				80					85					90
Asn	Val	Ala	Leu	Thr	Phe	Leu	Glu	Lys	Thr	Arg	Glu	Lys	Val	Lys
				95					100					105
Ser	Ser	Asp	Glu	Ala	Val	Ile	Leu	Cys	Lys	Thr	Ala	Ile	Gly	Ala
				110					115					120
Leu	Lys	Leu	Asn	Ile	Gly	Asp	Leu	Gln	Val	Thr	Lys	Glu	Thr	Ile
				125					130					135
Glu	Asp	Val	Glu	Glu	Met	Leu	Asn	Asn	Leu	Pro	Gly	Val	Thr	Ser
				140					145					150
Val	His	Ser	Arg	Phe	Tyr	Asp	Leu	Ser	Ser	Lys	Tyr	Tyr	Gln	Thr
				155					160					165
Ile	Gly	Asn	His	Ala	Ser	Tyr	Tyr	Lys	Asp	Ala	Leu	Arg	Phe	Leu
				170					175					180
Gly	Cys	Val	Asp	Ile	Lys	Asp	Leu	Pro	Val	Ser	Glu	Gln	Gln	Glu
				185					190					195
Arg	Ala	Phe	Thr	Leu	Gly	Leu	Ala	Gly	Leu	Leu	Gly	Glu	Gly	Val
				200					205					210
Phe	Asn	Phe	Gly	Glu	Leu	Leu	Met	His	Pro	Val	Leu	Glu	Ser	Leu
				215					220					225
Arg	Asn	Thr	Asp	Arg	Gln	Trp	Leu	Ile	Asp	Thr	Leu	Tyr	Ala	Phe
				230					235					240
Asn	Ser	Gly	Asn	Val	Glu	Arg	Phe	Gln	Thr	Leu	Lys	Thr	Ala	Trp
				245					250					255
Gly	Gln	Gln	Pro	Asp	Leu	Ala	Ala	Asn	Glu	Ala	Gln	Leu	Leu	Arg
				260					265					270
Lys	Ile	Gln	Leu	Leu	Cys	Leu	Met	Glu	Met	Thr	Phe	Thr	Arg	Pro
				275					280					285
Ala	Asn	His	Arg	Gln	Leu	Thr	Phe	Glu	Glu	Ile	Ala	Lys	Ser	Ala
				290					295					300
Lys	Ile	Thr	Val	Asn	Glu	Val	Glu	Leu	Leu	Val	Met	Lys	Ala	Leu
				305					310					315
Ser	Val	Gly	Leu	Val	Lys	Gly	Ser	Ile	Asp	Glu	Val	Asp	Lys	Arg
				320					325					330
Val	His	Met	Thr	Trp	Val	Gln	Pro	Arg	Val	Leu	Asp	Leu	Gln	Gln

PF-0356-3 DIV

	335		340		345									
Ile	Lys	Gly	Met	Lys	Asp	Arg	Leu	Glu	Phe	Trp	Cys	Thr	Asp	Val
	350				355									360
Lys	Ser	Met	Glu	Met	Leu	Val	Glu	His	Gln	Ala	His	Asp	Ile	Leu
	365				370									375
Thr														

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<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1602473

<400> 32  
Met Leu Gly Gly Ser Leu Gly Ser Arg Leu Leu Arg Gly Val Gly  
1 5 10 15  
Gly Ser His Gly Arg Phe Gly Ala Arg Gly Val Arg Glu Gly Gly  
20 25 30  
Ala Ala Met Ala Ala Gly Glu Ser Met Ala Gln Arg Met Val Trp  
35 40 45  
Val Asp Leu Glu Met Thr Gly Leu Asp Ile Glu Lys Asp Gln Ile  
50 55 60  
Ile Glu Met Ala Cys Leu Ile Thr Asp Ser Asp Leu Asn Ile Leu  
65 70 75  
Ala Glu Gly Pro Asn Leu Ile Ile Lys Gln Pro Asp Glu Leu Leu  
80 85 90  
Asp Ser Met Ser Asp Trp Cys Lys Glu His His Gly Lys Ser Gly  
95 100 105  
Leu Thr Lys Ala Val Lys Glu Ser Thr Ile Thr Leu Gln Gln Ala  
110 115 120  
Glu Tyr Glu Phe Leu Ser Phe Val Arg Gln Gln Thr Pro Pro Gly  
125 130 135  
Leu Cys Pro Leu Ala Gly Asn Ser Val His Glu Asp Lys Lys Phe  
140 145 150  
Leu Asp Lys Tyr Met Pro Gln Phe Met Lys His Leu His Tyr Arg  
155 160 165  
Ile Ile Asp Val Ser Thr Val Lys Glu Leu Cys Arg Arg Trp Tyr  
170 175 180  
Pro Glu Glu Tyr Glu Phe Ala Pro Lys Lys Ala Ala Ser His Arg  
185 190 195  
Ala Leu Asp Asp Ile Ser Glu Ser Ile Lys Glu Leu Gln Phe Tyr  
200 205 210  
Arg Asn Asn Ile Phe Lys Lys Lys Ile Asp Glu Lys Lys Arg Lys  
215 220 225  
Ile Ile Glu Asn Gly Glu Asn Glu Lys Thr Val Ser  
230 235

PF-0356-3 DIV

<210> 33  
<211> 152  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1605720

<400> 33  
Met Glu Ala Val Leu Asn Glu Leu Val Ser Val Glu Asp Leu Leu  
1 5 10 15  
Lys Phe Glu Lys Lys Phe Gln Ser Glu Lys Ala Ala Gly Ser Val  
20 25 30  
Ser Lys Ser Thr Gln Phe Glu Tyr Ala Trp Cys Leu Val Arg Ser  
35 40 45  
Lys Tyr Asn Asp Asp Ile Arg Lys Gly Ile Val Leu Leu Glu Glu  
50 55 60  
Leu Leu Pro Lys Gly Ser Lys Glu Glu Gln Arg Asp Tyr Val Phe  
65 70 75  
Tyr Leu Ala Val Gly Asn Tyr Arg Leu Lys Glu Tyr Glu Lys Ala  
80 85 90  
Leu Lys Tyr Val Arg Gly Leu Leu Gln Thr Glu Pro Gln Asn Asn  
95 100 105  
Gln Ala Lys Glu Leu Glu Arg Leu Ile Asp Lys Ala Met Lys Lys  
110 115 120  
Asp Gly Leu Val Gly Met Ala Ile Val Gly Gly Met Ala Leu Gly  
125 130 135  
Val Ala Gly Leu Ala Gly Leu Ile Gly Leu Ala Val Ser Lys Ser  
140 145 150  
Lys Phe

<210> 34  
<211> 179  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1610501

<400> 34  
Met Pro Ser Lys Ser Leu Val Met Glu Tyr Leu Ala His Pro Ser  
1 5 10 15  
Thr Leu Gly Leu Ala Val Gly Val Ala Cys Gly Met Cys Leu Gly  
20 25 30  
Trp Ser Leu Arg Val Cys Phe Gly Met Leu Pro Lys Ser Lys Thr  
35 40 45  
Ser Lys Thr His Thr Asp Thr Glu Ser Glu Ala Ser Ile Leu Gly

[illegible]

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<210> 35
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 1720770
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<400> 35															
Met	Ser	Glu	Gly	Asp	Ser	Val	Gly	Glu	Ser	Val	His	Gly	Lys	Pro	
1				5					10					15	
Ser	Val	Val	Tyr	Arg	Phe	Phe	Thr	Arg	Leu	Gly	Gln	Ile	Tyr	Gln	
				20					25					30	
Ser	Trp	Leu	Asp	Lys	Ser	Thr	Pro	Tyr	Thr	Ala	Val	Arg	Trp	Val	
				35					40					45	
Val	Thr	Leu	Gly	Leu	Ser	Phe	Val	Tyr	Met	Ile	Arg	Val	Tyr	Leu	
				50					55					60	
Leu	Gln	Gly	Trp	Tyr	Ile	Val	Thr	Tyr	Ala	Leu	Gly	Ile	Tyr	His	
				65					70					75	
Leu	Asn	Leu	Phe	Ile	Ala	Phe	Leu	Ser	Pro	Lys	Val	Asp	Pro	Ser	
				80					85					90	
Leu	Met	Glu	Asp	Ser	Asp	Asp	Gly	Pro	Ser	Leu	Pro	Thr	Lys	Gln	
				95					100					105	
Asn	Glu	Glu	Phe	Arg	Pro	Phe	Ile	Arg	Arg	Leu	Pro	Glu	Phe	Lys	
				110					115					120	
Phe	Trp	His	Ala	Ala	Thr	Lys	Gly	Ile	Leu	Val	Ala	Met	Val	Cys	
				125					130					135	
Thr	Phe	Phe	Asp	Ala	Phe	Asn	Val	Pro	Val	Phe	Trp	Pro	Ile	Leu	
				140					145					150	
Val	Met	Tyr	Phe	Ile	Met	Leu	Phe	Cys	Ile	Thr	Met	Lys	Arg	Gln	
				155					160					165	

PF-0356-3 DIV

Ile Lys His Met Ile Lys Tyr Arg Tyr Ile Pro Phe Thr His Gly  
170 175 180  
Lys Arg Arg Tyr Arg Gly Lys Glu Asp Ala Gly Lys Ala Phe Ala  
185 190 195  
Ser

<210> 36  
<211> 612  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1832295

<400> 36  
Met Ala Ala Ala Gly Arg Leu Pro Ser Ser Trp Ala Leu Phe Ser  
1 5 10 15  
Pro Leu Leu Ala Gly Leu Ala Leu Leu Gly Val Gly Pro Val Pro  
20 25 30  
Ala Arg Ala Leu His Asn Val Thr Ala Glu Leu Phe Gly Ala Glu  
35 40 45  
Ala Trp Gly Thr Leu Ala Ala Phe Gly Asp Leu Asn Ser Asp Lys  
50 55 60  
Gln Thr Asp Leu Phe Val Leu Arg Glu Arg Asn Asp Leu Ile Val  
65 70 75  
Phe Leu Ala Asp Gln Asn Ala Pro Tyr Phe Lys Pro Lys Val Lys  
80 85 90  
Val Ser Phe Lys Asn His Ser Ala Leu Ile Thr Ser Val Val Pro  
95 100 105  
Gly Asp Tyr Asp Gly Asp Ser Gln Met Asp Val Leu Leu Thr Tyr  
110 115 120  
Leu Pro Lys Asn Tyr Ala Lys Ser Glu Leu Gly Ala Val Ile Phe  
125 130 135  
Trp Gly Gln Asn Gln Thr Leu Asp Pro Asn Asn Met Thr Ile Leu  
140 145 150  
Asn Arg Thr Phe Gln Asp Glu Pro Leu Ile Met Asp Phe Asn Gly  
155 160 165  
Asp Leu Ile Pro Asp Ile Phe Gly Ile Thr Asn Glu Ser Asn Gln  
170 175 180  
Pro Gln Ile Leu Leu Gly Gly Asn Leu Ser Trp His Pro Ala Leu  
185 190 195  
Thr Thr Thr Ser Lys Met Arg Ile Pro His Ser His Ala Phe Ile  
200 205 210  
Asp Leu Thr Glu Asp Phe Thr Ala Asp Leu Phe Leu Thr Thr Leu  
215 220 225  
Asn Ala Thr Thr Ser Thr Phe Gln Phe Glu Ile Trp Glu Asn Leu  
230 235 240  
Asp Gly Asn Phe Ser Val Ser Thr Ile Leu Glu Lys Pro Gln Asn

	245	250	255
Met Met Val Val	Gly Gln Ser Ala Phe	Ala Asp Phe Asp Gly Asp	
	260	265	270
Gly His Met Asp	His Leu Leu Pro Gly Cys	Glu Asp Lys Asn Cys	
	275	280	285
Gln Lys Ser Thr	Ile Tyr Leu Val Arg Ser	Gly Met Lys Gln Trp	
	290	295	300
Val Pro Val Leu	Gln Asp Phe Ser Asn Lys	Gly Thr Leu Trp Gly	
	305	310	315
Phe Val Pro Phe	Val Asp Glu Gln Gln Pro	Thr Glu Ile Pro Ile	
	320	325	330
Pro Ile Thr Leu	His Ile Gly Asp Tyr Asn	Met Asp Gly Tyr Pro	
	335	340	345
Asp Ala Leu Val	Ile Leu Lys Asn Thr Ser	Gly Ser Asn Gln Gln	
	350	355	360
Ala Phe Leu Leu	Glu Asn Val Pro Cys Asn	Asn Ala Ser Cys Glu	
	365	370	375
Glu Ala Arg Arg	Met Phe Lys Val Tyr Trp	Glu Leu Thr Asp Leu	
	380	385	390
Asn Gln Ile Lys	Asp Ala Met Val Ala Thr	Phe Phe Asp Ile Tyr	
	395	400	405
Glu Asp Gly Ile	Leu Asp Ile Val Val Leu	Ser Lys Gly Tyr Thr	
	410	415	420
Lys Asn Asp Phe	Ala Ile His Thr Leu Lys	Asn Asn Phe Glu Ala	
	425	430	435
Asp Ala Tyr Phe	Val Lys Val Ile Val Leu	Ser Gly Leu Cys Ser	
	440	445	450
Asn Asp Cys Pro	Arg Lys Ile Thr Pro Phe	Gly Val Asn Gln Pro	
	455	460	465
Gly Pro Tyr Ile	Met Tyr Thr Thr Leu Asp	Ala Asn Gly Tyr Leu	
	470	475	480
Lys Asn Gly Ser	Ala Gly Gln Leu Ser Gln	Ser Ala His Leu Ala	
	485	490	495
Leu Gln Leu Pro	Tyr Asn Val Leu Gly Leu	Gly Arg Ser Ala Asn	
	500	505	510
Phe Leu Asp His	Leu Tyr Val Gly Ile Pro	Arg Pro Ser Gly Glu	
	515	520	525
Lys Ser Ile Arg	Lys Gln Glu Trp Thr Ala	Ile Ile Pro Asn Ser	
	530	535	540
Gln Leu Ile Val	Ile Pro Tyr Pro His Asn	Val Pro Arg Ser Trp	
	545	550	555
Ser Ala Lys Leu	Tyr Leu Thr Pro Ser Asn	Ile Val Leu Leu Thr	
	560	565	570
Ala Ile Ala Leu	Ile Gly Val Cys Val Phe	Ile Leu Ala Ile Ile	
	575	580	585
Gly Ile Leu His	Trp Gln Glu Lys Lys Ala	Asp Asp Arg Glu Lys	
	590	595	600
Arg Gln Glu Ala	His Arg Phe His Phe Asp	Ala Met	
	605	610	

PF-0356-3 DIV

<210> 37  
<211> 101  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
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<400> 37  
Met Ala Ala Pro Leu Ser Val Glu Val Glu Phe Gly Gly Gly Ala  
1 5 10 15  
Glu Leu Leu Phe Asp Gly Ile Lys Lys His Arg Val Thr Leu Pro  
20 25 30  
Gly Gln Glu Glu Pro Trp Asp Ile Arg Asn Leu Leu Ile Trp Ile  
35 40 45  
Lys Lys Asn Leu Leu Lys Glu Arg Pro Glu Leu Phe Ile Gln Gly  
50 55 60  
Asp Ser Val Arg Pro Gly Ile Leu Val Leu Ile Asn Asp Ala Asp  
65 70 75  
Trp Glu Leu Leu Gly Glu Leu Asp Tyr Gln Leu Gln Asp Gln Asp  
80 85 90  
Ser Val Leu Phe Ile Ser Thr Leu His Gly Gly  
95 100

<210> 38  
<211> 132  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2098087

<400> 38  
Met Ala Lys Asp Ile Leu Gly Glu Ala Gly Leu His Phe Asp Glu  
1 5 10 15  
Leu Asn Lys Leu Arg Val Leu Asp Pro Glu Val Thr Gln Gln Thr  
20 25 30  
Ile Glu Leu Lys Glu Glu Cys Lys Asp Phe Val Asp Lys Ile Gly  
35 40 45  
Gln Phe Gln Lys Ile Val Gly Gly Leu Ile Glu Leu Val Asp Gln  
50 55 60  
Leu Ala Lys Glu Ala Glu Asn Glu Lys Met Lys Ala Ile Gly Ala  
65 70 75  
Arg Asn Leu Leu Lys Ser Ile Ala Lys Gln Arg Glu Ala Gln Gln  
80 85 90  
Gln Gln Leu Gln Ala Leu Ile Ala Glu Lys Lys Met Gln Leu Glu  
95 100 105  
Arg Tyr Arg Val Glu Tyr Glu Ala Leu Cys Lys Val Glu Ala Glu

PF-0356-3 DIV

				110					115			120
Gln	Asn	Glu	Phe	Ile	Asp	Gln	Phe	Ile	Phe	Gln	Lys	
				125					130			

<210> 39  
<211> 188  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2112230

<400> 39  
Met Ala Asn Ser Gly Cys Lys Asp Val Thr Gly Pro Asp Glu Glu  
1 5 10 15  
Ser Phe Leu Tyr Phe Ala Tyr Gly Ser Asn Leu Leu Thr Glu Arg  
20 25 30  
Ile His Leu Arg Asn Pro Ser Ala Ala Phe Phe Cys Val Ala Arg  
35 40 45  
Leu Gln Asp Phe Lys Leu Asp Phe Gly Asn Ser Gln Gly Lys Thr  
50 55 60  
Ser Gln Thr Trp His Gly Gly Ile Ala Thr Ile Phe Gln Ser Pro  
65 70 75  
Gly Asp Glu Val Trp Gly Val Val Trp Lys Met Asn Lys Ser Asn  
80 85 90  
Leu Asn Ser Leu Asp Glu Gln Glu Gly Val Lys Ser Gly Met Tyr  
95 100 105  
Val Val Ile Glu Val Lys Val Ala Thr Gln Glu Gly Lys Glu Ile  
110 115 120  
Thr Cys Arg Ser Tyr Leu Met Thr Asn Tyr Glu Ser Ala Pro Pro  
125 130 135  
Ser Pro Gln Tyr Lys Lys Ile Ile Cys Met Gly Ala Lys Glu Asn  
140 145 150  
Gly Leu Pro Leu Glu Tyr Gln Glu Lys Leu Lys Ala Ile Glu Pro  
155 160 165  
Asn Asp Tyr Thr Gly Lys Val Ser Glu Glu Ile Glu Asp Ile Ile  
170 175 180  
Lys Lys Gly Glu Thr Gln Thr Leu  
185

<210> 40  
<211> 86  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2117050



PF-0356-3 DIV

<400> 40

Met	Thr	Asp	Arg	Tyr	Thr	Ile	His	Ser	Gln	Leu	Glu	His	Leu	Gln
1				5					10					15
Ser	Lys	Tyr	Ile	Gly	Thr	Gly	His	Ala	Asp	Thr	Thr	Lys	Trp	Glu
				20					25					30
Trp	Leu	Val	Asn	Gln	His	Arg	Asp	Ser	Tyr	Cys	Ser	Tyr	Met	Gly
				35					40					45
His	Phe	Asp	Leu	Leu	Asn	Tyr	Phe	Ala	Ile	Ala	Glu	Asn	Glu	Ser
				50					55					60
Lys	Ala	Arg	Val	Arg	Phe	Asn	Leu	Met	Glu	Lys	Met	Leu	Gln	Pro
				65					70					75
Cys	Gly	Pro	Pro	Ala	Asp	Lys	Pro	Glu	Glu	Asn				
				80					85					

<210> 41

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2184712

<400> 41

Met	Ser	Gly	Leu	Gly	Arg	Leu	Phe	Gly	Lys	Gly	Lys	Lys	Glu	Lys
1				5					10					15
Gly	Pro	Thr	Pro	Glu	Glu	Ala	Ile	Gln	Lys	Leu	Lys	Glu	Thr	Glu
				20					25					30
Lys	Ile	Leu	Ile	Lys	Lys	Gln	Glu	Phe	Leu	Glu	Gln	Lys	Ile	Gln
				35					40					45
Gln	Glu	Leu	Gln	Thr	Ala	Lys	Lys	Tyr	Gly	Thr	Lys	Asn	Lys	Arg
				50					55					60
Ala	Ala	Leu	Gln	Ala	Leu	Arg	Arg	Lys	Lys	Arg	Phe	Glu	Gln	Gln
				65					70					75
Leu	Ala	Gln	Thr	Asp	Gly	Thr	Leu	Ser	Thr	Leu	Glu	Phe	Gln	Arg
				80					85					90
Glu	Ala	Ile	Glu	Asn	Ala	Thr	Thr	Asn	Ala	Glu	Val	Leu	Arg	Thr
				95					100					105
Met	Glu	Leu	Ala	Ala	Gln	Ser	Met	Lys	Lys	Ala	Tyr	Gln	Asp	Met
				110					115					120
Asp	Ile	Asp	Lys	Val	Asp	Glu	Leu	Met	Thr	Asp	Ile	Thr	Glu	Gln
				125					130					135
Gln	Glu	Val	Ala	Gln	Gln	Ile	Ser	Asp	Ala	Ile	Ser	Arg	Pro	Met
				140					145					150
Gly	Phe	Gly	Asp	Asp	Val	Asp	Glu	Asp	Glu	Leu	Leu	Glu	Glu	Leu
				155					160					165
Glu	Glu	Leu	Glu	Gln	Glu	Glu	Leu	Ala	Gln	Glu	Leu	Leu	Asn	Val
				170					175					180
Gly	Asp	Lys	Glu	Glu	Glu	Pro	Ser	Val	Lys	Leu	Pro	Ser	Val	Pro
				185					190					195

PF-0356-3 DIV

Ser Thr His Leu Pro Ala Gly Pro Ala Pro Lys Val Asp Glu Asp  
200 205 210  
Glu Glu Ala Leu Lys Gln Leu Ala Glu Trp Val Ser  
215 220

<210> 42  
<211> 300  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2290475

<400> 42  
Met Ser Gly Ser Asn Gly Ser Lys Glu Asn Ser His Asn Lys Ala  
1 5 10 15  
Arg Thr Ser Pro Tyr Pro Gly Ser Lys Val Glu Arg Ser Gln Val  
20 25 30  
Pro Asn Glu Lys Val Gly Trp Leu Val Glu Trp Gln Asp Tyr Lys  
35 40 45  
Pro Val Glu Tyr Thr Ala Val Ser Val Leu Ala Gly Pro Arg Trp  
50 55 60  
Ala Asp Pro Gln Ile Ser Glu Ser Asn Phe Ser Pro Lys Phe Asn  
65 70 75  
Glu Lys Asp Gly His Val Glu Arg Lys Ser Lys Asn Gly Leu Tyr  
80 85 90  
Glu Ile Glu Asn Gly Arg Pro Arg Asn Pro Ala Gly Arg Thr Gly  
95 100 105  
Leu Val Gly Arg Gly Leu Leu Gly Arg Trp Gly Pro Asn His Ala  
110 115 120  
Ala Asp Pro Ile Ile Thr Arg Trp Lys Arg Asp Ser Ser Gly Asn  
125 130 135  
Lys Ile Met His Pro Val Ser Gly Lys His Ile Leu Gln Phe Val  
140 145 150  
Ala Ile Lys Arg Lys Asp Cys Gly Glu Trp Ala Ile Pro Gly Gly  
155 160 165  
Met Val Asp Pro Gly Glu Lys Ile Ser Ala Thr Leu Lys Arg Glu  
170 175 180  
Phe Gly Glu Glu Ala Leu Asn Ser Leu Gln Lys Thr Ser Ala Glu  
185 190 195  
Lys Arg Glu Ile Glu Glu Lys Leu His Lys Leu Phe Ser Gln Asp  
200 205 210  
His Leu Val Ile Tyr Lys Gly Tyr Val Asp Asp Pro Arg Asn Thr  
215 220 225  
Asp Asn Ala Trp Met Glu Thr Glu Ala Val Asn Tyr His Asp Glu  
230 235 240  
Thr Gly Glu Ile Met Asp Asn Leu Met Leu Glu Ala Gly Asp Asp  
245 250 255  
Ala Gly Lys Val Lys Trp Val Asp Ile Asn Asp Lys Leu Lys Leu

PF-0356-3 DIV

	260		265		270									
Tyr	Ala	Ser	His	Ser	Gln	Phe	Ile	Lys	Leu	Val	Ala	Glu	Lys	Arg
				275					280					285
Asp	Ala	His	Trp	Ser	Glu	Asp	Ser	Glu	Ala	Asp	Cys	His	Ala	Leu
				290					295					300

<210> 43  
<211> 112  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2353452

<400> 43  
Met Glu Ala Tyr Glu Gln Val Gln Lys Gly Pro Leu Lys Leu Lys  
1 5 10 15  
Gly Val Ala Glu Leu Gly Val Thr Lys Arg Lys Lys Lys Lys Lys  
20 25 30  
Asp Lys Asp Lys Ala Lys Leu Leu Glu Ala Met Gly Thr Ser Lys  
35 40 45  
Lys Asn Glu Glu Glu Lys Arg Arg Gly Leu Asp Lys Arg Thr Pro  
50 55 60  
Ala Gln Ala Ala Phe Glu Lys Met Gln Glu Lys Arg Gln Met Glu  
65 70 75  
Arg Ile Leu Lys Lys Ala Ser Lys Thr His Lys Gln Arg Val Glu  
80 85 90  
Asp Phe Asn Arg His Leu Asp Thr Leu Thr Glu His Tyr Asp Ile  
95 100 105  
Pro Lys Val Ser Trp Thr Lys  
110

<210> 44  
<211> 251  
<212> PRT  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2469611

<400> 44  
Met Ser Asp Ile Gly Asp Trp Phe Arg Ser Ile Pro Ala Ile Thr  
1 5 10 15  
Arg Tyr Trp Phe Ala Ala Thr Val Ala Val Pro Leu Val Gly Lys  
20 25 30  
Leu Gly Leu Ile Ser Pro Ala Tyr Leu Phe Leu Trp Pro Glu Ala  
35 40 45

PF-0356-3 DIV

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Phe Leu Tyr Arg Phe Gln Ile Trp Arg Pro Ile Thr Ala Thr Phe
      50              55              60
Tyr Phe Pro Val Gly Pro Gly Thr Gly Phe Leu Tyr Leu Val Asn
      65              70              75
Leu Tyr Phe Leu Tyr Gln Tyr Ser Thr Arg Leu Glu Thr Gly Ala
      80              85              90
Phe Asp Gly Arg Pro Ala Asp Tyr Leu Phe Met Leu Leu Phe Asn
      95              100             105
Trp Ile Cys Ile Val Ile Thr Gly Leu Ala Met Asp Met Gln Leu
      110             115             120
Leu Met Ile Pro Leu Ile Met Ser Val Leu Tyr Val Trp Ala Gln
      125             130             135
Leu Asn Arg Asp Met Ile Val Ser Phe Trp Phe Gly Thr Arg Phe
      140             145             150
Lys Ala Cys Tyr Leu Pro Trp Val Ile Leu Gly Phe Asn Tyr Ile
      155             160             165
Ile Gly Gly Ser Val Ile Asn Glu Leu Ile Gly Asn Leu Val Gly
      170             175             180
His Leu Tyr Phe Phe Leu Met Phe Arg Tyr Pro Met Asp Leu Gly
      185             190             195
Gly Arg Asn Phe Leu Ser Thr Pro Gln Phe Leu Tyr Arg Trp Leu
      200             205             210
Pro Ser Arg Arg Gly Gly Val Ser Gly Phe Gly Val Pro Pro Ala
      215             220             225
Ser Met Arg Arg Ala Ala Asp Gln Asn Gly Gly Gly Gly Arg His
      230             235             240
Asn Trp Gly Gln Gly Phe Arg Leu Gly Asp Gln
      245             250

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<210> 45

<211> 811

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2515476

<400> 45

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Met Pro Leu Ser Ser Pro Asn Ala Ala Ala Thr Ala Ser Asp Met
  1              5              10              15
Asp Lys Asn Ser Gly Ser Asn Ser Ser Ser Ala Ser Ser Gly Ser
      20              25              30
Ser Lys Gly Gln Gln Pro Pro Arg Ser Ala Ser Ala Gly Pro Ala
      35              40              45
Gly Glu Ser Lys Pro Lys Ser Asp Gly Lys Asn Ser Ser Gly Ser
      50              55              60
Lys Arg Tyr Asn Arg Lys Arg Glu Leu Ser Tyr Pro Lys Asn Glu
      65              70              75
Ser Phe Asn Asn Gln Ser Arg Arg Ser Ser Ser Gln Lys Ser Lys

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PF-0356-3 DIV

	80		85		90
Thr Phe Asn Lys Met Pro Pro Gln Arg Gly Gly Gly Ser Ser Lys					
	95		100		105
Leu Phe Ser Ser Ser Phe Asn Gly Gly Arg Arg Asp Glu Val Ala					
	110		115		120
Glu Ala Gln Arg Ala Glu Phe Ser Pro Ala Gln Phe Ser Gly Pro					
	125		130		135
Lys Lys Ile Asn Leu Asn His Leu Leu Asn Phe Thr Phe Glu Pro					
	140		145		150
Arg Gly Gln Thr Gly His Phe Glu Gly Ser Gly His Gly Ser Trp					
	155		160		165
Gly Lys Arg Asn Lys Trp Gly His Lys Pro Phe Asn Lys Glu Leu					
	170		175		180
Phe Leu Gln Ala Asn Cys Gln Phe Val Val Ser Glu Asp Gln Asp					
	185		190		195
Tyr Thr Ala His Phe Ala Asp Pro Asp Thr Leu Val Asn Trp Asp					
	200		205		210
Phe Val Glu Gln Val Arg Ile Cys Ser His Glu Val Pro Ser Cys					
	215		220		225
Pro Ile Cys Leu Tyr Pro Pro Thr Ala Ala Lys Ile Thr Arg Cys					
	230		235		240
Gly His Ile Phe Cys Trp Ala Cys Ile Leu His Tyr Leu Ser Leu					
	245		250		255
Ser Glu Lys Thr Trp Ser Lys Cys Pro Ile Cys Tyr Ser Ser Val					
	260		265		270
His Lys Lys Asp Leu Lys Ser Val Val Ala Thr Glu Ser His Gln					
	275		280		285
Tyr Val Val Gly Asp Thr Ile Thr Met Gln Leu Met Lys Arg Glu					
	290		295		300
Lys Gly Val Leu Val Ala Leu Pro Lys Ser Lys Trp Met Asn Val					
	305		310		315
Asp His Pro Ile His Leu Gly Asp Glu Gln His Ser Gln Tyr Ser					
	320		325		330
Lys Leu Leu Leu Ala Ser Lys Glu Gln Val Leu His Arg Val Val					
	335		340		345
Leu Glu Glu Lys Val Ala Leu Glu Gln Gln Leu Ala Glu Glu Lys					
	350		355		360
His Thr Pro Glu Ser Cys Phe Ile Glu Ala Ala Ile Gln Glu Leu					
	365		370		375
Lys Thr Arg Glu Glu Ala Leu Ser Gly Leu Ala Gly Ser Arg Arg					
	380		385		390
Glu Val Thr Gly Val Val Ala Ala Leu Glu Gln Leu Val Leu Met					
	395		400		405
Ala Pro Leu Ala Lys Glu Ser Val Phe Gln Pro Arg Lys Gly Val					
	410		415		420
Leu Glu Tyr Leu Ser Ala Phe Asp Glu Glu Thr Thr Glu Val Cys					
	425		430		435
Ser Leu Asp Thr Pro Ser Arg Pro Leu Ala Leu Pro Leu Val Glu					
	440		445		450
Glu Glu Glu Ala Val Ser Glu Pro Glu Pro Glu Gly Leu Pro Glu					

PF-0356-3 DIV

PF-0356-3 DIV

	455		460		465
Ala Cys Asp Asp	Leu Glu Leu Ala Asp	Asp Asn Leu Lys Glu Gly			
	470		475		480
Thr Ile Cys Thr	Glu Ser Ser Gln Gln	Glu Pro Ile Thr Lys Ser			
	485		490		495
Gly Phe Thr Arg	Leu Ser Ser Ser Pro	Cys Tyr Tyr Phe Tyr Gln			
	500		505		510
Ala Glu Asp Gly	Gln His Met Phe Leu	His Pro Val Asn Val Arg			
	515		520		525
Cys Leu Val Arg	Glu Tyr Gly Ser Leu	Glu Arg Ser Pro Glu Lys			
	530		535		540
Ile Ser Ala Thr	Val Val Glu Ile Ala	Gly Tyr Ser Met Ser Glu			
	545		550		555
Asp Val Arg Gln	Arg His Arg Tyr Leu	Ser His Leu Pro Leu Thr			
	560		565		570
Cys Glu Phe Ser	Ile Cys Glu Leu Ala	Leu Gln Pro Pro Val Val			
	575		580		585
Ser Lys Glu Thr	Leu Glu Met Phe Ser	Asp Asp Ile Glu Lys Arg			
	590		595		600
Lys Arg Gln Arg	Gln Lys Lys Ala Arg	Glu Glu Arg Arg Arg Glu			
	605		610		615
Arg Arg Ile Glu	Ile Glu Glu Asn Lys	Lys Gln Gly Lys Tyr Pro			
	620		625		630
Glu Val His Ile	Pro Leu Glu Asn Leu	Gln Gln Phe Pro Ala Phe			
	635		640		645
Asn Ser Tyr Thr	Cys Ser Ser Asp Ser	Ala Leu Gly Pro Thr Ser			
	650		655		660
Thr Glu Gly His	Gly Ala Leu Ser Ile	Ser Pro Leu Ser Arg Ser			
	665		670		675
Pro Gly Ser His	Ala Asp Phe Leu Leu	Thr Pro Leu Ser Pro Thr			
	680		685		690
Ala Ser Gln Gly	Ser Pro Ser Phe Cys	Val Gly Ser Leu Glu Glu			
	695		700		705
Asp Ser Pro Phe	Pro Ser Phe Ala Gln	Met Leu Arg Val Gly Lys			
	710		715		720
Ala Lys Ala Asp	Val Trp Pro Lys Thr	Ala Pro Lys Lys Asp Glu			
	725		730		735
Asn Ser Leu Val	Pro Pro Ala Pro Val	Asp Ser Asp Gly Glu Ser			
	740		745		750
Asp Asn Ser Asp	Arg Val Pro Val Pro	Ser Phe Gln Asn Ser Phe			
	755		760		765
Ser Gln Ala Ile	Glu Ala Ala Phe Met	Lys Leu Asp Thr Pro Ala			
	770		775		780
Thr Ser Asp Pro	Leu Ser Glu Glu Lys	Gly Gly Lys Lys Arg Lys			
	785		790		795
Lys Gln Lys Gln	Lys Leu Leu Phe Ser	Thr Ser Val Val His Thr			
	800		805		810
Lys					

PF-0356-3 DIV

<210> 46

<211> 352

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2754573

<400> 46

Met	His	Val	Val	Ala	Pro	Ala	Ser	Leu	Arg	Leu	Gly	Thr	Gly	Thr	
1				5					10						15
Asn	Leu	Pro	Pro	Ser	Pro	Thr	Cys	Leu	Thr	Lys	Leu	Ala	Leu	Pro	
				20					25						30
Pro	Ala	Ala	Glu	Pro	Ser	Leu	Leu	Ala	Met	Ser	Gln	Ser	Arg	His	
				35					40						45
Arg	Ala	Glu	Ala	Pro	Pro	Leu	Glu	Arg	Glu	Asp	Ser	Gly	Thr	Phe	
				50					55						60
Ser	Leu	Gly	Lys	Met	Ile	Thr	Ala	Lys	Pro	Gly	Lys	Thr	Pro	Ile	
				65					70						75
Gln	Val	Leu	His	Glu	Tyr	Gly	Met	Lys	Thr	Lys	Asn	Ile	Pro	Val	
				80					85						90
Tyr	Glu	Cys	Glu	Arg	Ser	Asp	Val	Gln	Ile	His	Val	Pro	Thr	Phe	
				95					100						105
Thr	Phe	Arg	Val	Thr	Val	Gly	Asp	Ile	Thr	Cys	Thr	Gly	Glu	Gly	
				110					115						120
Thr	Ser	Lys	Lys	Leu	Ala	Lys	His	Arg	Ala	Ala	Glu	Ala	Ala	Ile	
				125					130						135
Asn	Ile	Leu	Lys	Ala	Asn	Ala	Ser	Ile	Cys	Phe	Ala	Val	Pro	Asp	
				140					145						150
Pro	Leu	Met	Pro	Asp	Pro	Ser	Lys	Gln	Pro	Lys	Asn	Gln	Leu	Asn	
				155					160						165
Pro	Ile	Gly	Ser	Leu	Gln	Glu	Leu	Ala	Ile	His	His	Gly	Trp	Arg	
				170					175						180
Leu	Pro	Glu	Tyr	Thr	Leu	Ser	Gln	Glu	Gly	Gly	Pro	Ala	His	Lys	
				185					190						195
Arg	Glu	Tyr	Thr	Thr	Ile	Cys	Arg	Leu	Glu	Ser	Phe	Met	Glu	Thr	
				200					205						210
Gly	Lys	Gly	Ala	Ser	Lys	Lys	Gln	Ala	Lys	Arg	Asn	Ala	Ala	Glu	
				215					220						225
Lys	Phe	Leu	Ala	Lys	Phe	Ser	Asn	Ile	Ser	Pro	Glu	Asn	His	Ile	
				230					235						240
Ser	Leu	Thr	Asn	Val	Val	Gly	His	Ser	Leu	Gly	Cys	Thr	Trp	His	
				245					250						255
Ser	Leu	Arg	Asn	Ser	Pro	Gly	Glu	Lys	Ile	Asn	Leu	Leu	Lys	Arg	
				260					265						270
Ser	Leu	Leu	Ser	Ile	Pro	Asn	Thr	Asp	Tyr	Ile	Gln	Leu	Leu	Ser	
				275					280						285
Glu	Ile	Ala	Lys	Glu	Gln	Gly	Phe	Asn	Ile	Thr	Tyr	Leu	Asp	Ile	
				290					295						300

PF-0356-3 DIV

Asp Glu Leu Ser Ala Asn Gly Gln Tyr Gln Cys Leu Ala Glu Leu  
305 310 315  
Ser Thr Ser Pro Ile Thr Val Cys His Gly Ser Gly Ile Ser Cys  
320 325 330  
Gly Asn Ala Gln Ser Asp Ala Ala His Asn Ala Leu Gln Tyr Leu  
335 340 345  
Lys Ile Ile Ala Glu Arg Lys  
350

<210> 47

<211> 432

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2926777

<400> 47

Met Ile Ser Ala Ala Gln Leu Leu Asp Glu Leu Met Gly Arg Asp  
1 5 10 15  
Arg Asn Leu Ala Pro Asp Glu Lys Arg Thr Asn Val Arg Trp Asp  
20 25 30  
His Glu Ser Val Cys Lys Tyr Tyr Leu Cys Gly Phe Cys Pro Ala  
35 40 45  
Glu Leu Phe Thr Asn Thr Arg Ser Asp Leu Gly Pro Cys Glu Lys  
50 55 60  
Ile His Asp Glu Asn Leu Arg Lys Gln Tyr Glu Lys Ser Ser Arg  
65 70 75  
Phe Met Lys Val Gly Tyr Glu Arg Asp Phe Leu Arg Tyr Leu Gln  
80 85 90  
Ser Leu Leu Ala Glu Val Glu Arg Arg Ile Arg Arg Gly His Ala  
95 100 105  
Arg Leu Ala Leu Ser Gln Asn Gln Gln Ser Ser Gly Ala Ala Gly  
110 115 120  
Pro Thr Gly Lys Asn Glu Glu Lys Ile Gln Val Leu Thr Asp Lys  
125 130 135  
Ile Asp Val Leu Leu Gln Gln Ile Glu Glu Leu Gly Ser Glu Gly  
140 145 150  
Lys Val Glu Glu Ala Gln Gly Met Met Lys Leu Val Glu Gln Leu  
155 160 165  
Lys Glu Glu Arg Glu Leu Leu Arg Ser Thr Thr Ser Thr Ile Glu  
170 175 180  
Ser Phe Ala Ala Gln Glu Lys Gln Met Glu Val Cys Glu Val Cys  
185 190 195  
Gly Ala Phe Leu Ile Val Gly Asp Ala Gln Ser Arg Val Asp Asp  
200 205 210  
His Leu Met Gly Lys Gln His Met Gly Tyr Ala Lys Ile Lys Ala  
215 220 225  
Thr Val Glu Glu Leu Lys Glu Lys Leu Arg Lys Arg Thr Glu Glu



	230		235		240									
Pro	Asp	Arg	Asp	Glu	Arg	Leu	Lys	Lys	Glu	Lys	Gln	Glu	Arg	Glu
	245		250		255									
Glu	Arg	Glu	Lys	Glu	Arg	Glu	Arg	Glu	Arg	Glu	Glu	Arg	Glu	Arg
	260		265		270									
Lys	Arg	Arg	Arg	Glu	Glu	Glu	Glu	Arg	Glu	Lys	Glu	Arg	Ala	Arg
	275		280		285									
Asp	Arg	Glu	Arg	Arg	Lys	Arg	Ser	Arg	Ser	Arg	Ser	Arg	His	Ser
	290		295		300									
Ser	Arg	Thr	Ser	Asp	Arg	Arg	Cys	Ser	Arg	Ser	Arg	Asp	His	Lys
	305		310		315									
Arg	Ser	Arg	Ser	Arg	Glu	Arg	Arg	Arg	Thr	Arg	Ser	Arg	Asp	Arg
	320		325		330									
Arg	Arg	Ser	Arg	Ser	His	Asp	Arg	Ser	Glu	Arg	Lys	His	Arg	Ser
	335		340		345									
Arg	Ser	Arg	Asp	Arg	Arg	Arg	Ser	Lys	Ser	Arg	Asp	Arg	Lys	Ser
	350		355		360									
Tyr	Lys	His	Arg	Ser	Lys	Ser	Arg	Asp	Arg	Glu	Gln	Asp	Arg	Lys
	365		370		375									
Ser	Lys	Glu	Lys	Glu	Lys	Arg	Gly	Ser	Asp	Asp	Lys	Lys	Ser	Ser
	380		385		390									
Val	Lys	Ser	Gly	Ser	Arg	Glu	Lys	Gln	Ser	Glu	Asp	Thr	Asn	Thr
	395		400		405									
Glu	Ser	Lys	Glu	Ser	Asp	Thr	Lys	Asn	Glu	Val	Asn	Gly	Thr	Ser
	410		415		420									
Glu	Asp	Ile	Lys	Ser	Glu	Gly	Asp	Thr	Gln	Ser	Asn			
	425		430											

&lt;210&gt; 48

&lt;211&gt; 180

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 3217567

&lt;400&gt; 48

Met	Ala	Ala	Ala	Glu	Glu	Glu	Asp	Gly	Gly	Pro	Glu	Gly	Pro	Asn
1				5					10					15
Arg	Glu	Arg	Gly	Gly	Ala	Gly	Ala	Thr	Phe	Glu	Cys	Asn	Ile	Cys
				20					25					30
Leu	Glu	Thr	Ala	Arg	Glu	Ala	Val	Val	Ser	Val	Cys	Gly	His	Leu
				35					40					45
Tyr	Cys	Trp	Pro	Cys	Leu	His	Gln	Trp	Leu	Glu	Thr	Arg	Pro	Glu
				50					55					60
Arg	Gln	Glu	Cys	Pro	Val	Cys	Lys	Ala	Gly	Ile	Ser	Arg	Glu	Lys
				65					70					75
Val	Val	Pro	Leu	Tyr	Gly	Arg	Gly	Ser	Gln	Lys	Pro	Gln	Asp	Pro
				80					85					90

PF-0356-3 DIV

Arg	Leu	Lys	Thr	Pro	Pro	Arg	Pro	Gln	Gly	Gln	Arg	Pro	Ala	Pro	
				95					100					105	
Glu	Ser	Arg	Gly	Gly	Phe	Gln	Pro	Phe	Gly	Asp	Thr	Gly	Gly	Phe	
				110					115					120	
His	Phe	Ser	Phe	Gly	Val	Gly	Ala	Phe	Pro	Phe	Gly	Phe	Phe	Thr	
				125					130					135	
Thr	Val	Phe	Asn	Ala	His	Glu	Pro	Phe	Arg	Arg	Gly	Thr	Gly	Val	
				140					145					150	
Asp	Leu	Gly	Gln	Gly	His	Pro	Ala	Ser	Ser	Trp	Gln	Asp	Ser	Leu	
				155					160					165	
Phe	Leu	Phe	Leu	Ala	Ile	Phe	Phe	Phe	Phe	Trp	Leu	Leu	Ser	Ile	
				170					175					180	

<210> 49

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 3339274

<400> 49

Met	Ser	Ser	Leu	Ile	Arg	Arg	Val	Ile	Ser	Thr	Ala	Lys	Ala	Pro	
1				5					10					15	
Gly	Ala	Ile	Gly	Pro	Tyr	Ser	Gln	Ala	Val	Leu	Val	Asp	Arg	Thr	
				20					25					30	
Ile	Tyr	Ile	Ser	Gly	Gln	Ile	Gly	Met	Asp	Pro	Ser	Ser	Gly	Gln	
				35					40					45	
Leu	Val	Ser	Gly	Gly	Val	Ala	Glu	Glu	Ala	Lys	Gln	Ala	Leu	Lys	
				50					55					60	
Asn	Met	Gly	Glu	Ile	Leu	Lys	Ala	Ala	Gly	Cys	Asp	Phe	Thr	Asn	
				65					70					75	
Val	Val	Lys	Thr	Thr	Val	Leu	Leu	Ala	Asp	Ile	Asn	Asp	Phe	Asn	
				80					85					90	
Thr	Val	Asn	Glu	Ile	Tyr	Lys	Gln	Tyr	Phe	Lys	Ser	Asn	Phe	Pro	
				95					100					105	
Ala	Arg	Ala	Ala	Tyr	Gln	Val	Ala	Ala	Leu	Pro	Lys	Gly	Ser	Arg	
				110					115					120	
Ile	Glu	Ile	Glu	Ala	Val	Ala	Ile	Gln	Gly	Pro	Leu	Thr	Thr	Ala	
				125					130					135	

Ser Leu

<210> 50

<211> 1600

<212> DNA

<213> Homo sapiens

PF-0356-3 DIV

<220>

<221> misc\_feature

<223> Incyte ID No: 000133

<400> 50

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gttcgattga gtgaaacaga cttcaaagtt atggcaagag atgagttaat tctaagatgg 180
aaacaatatg aagcatatgt acaagctttg gagggcaagt acacagatct taactctaata 240
gatgtaactg gcctaagaga gtctgaagaa aaactaaagc aacaacagca ggagtctgca 300
cgcagggaaa acatccttgt aatgcgacta gcaaccaagg aacaagagat gcaagagtgt 360
actactcaaa tccagtacct caagcaagtc cagcagccga gcgttgccca actgagatca 420
acaatggtag acccagcgat caacttgttt ttcctaaaaa tgaaagggtga actggaacag 480
actaaagaca aactggaaca agcccaaaat gaactgagtg cctggaagtt tacgcctgat 540
aggtaaacia atcatactcc ccagtcagaa cttccctgac agtcccacta cgagaaagct 600
gtgggtgggac agccaagtag tcgtttccac accaagactc agactttttg agccaaaaaa 660
aagccacatt cttacactgt ccagcttgta atgggttaat taaaacttac cagatgaacc 720
ttgtgtttca gcttttttct tttccccttc cccttgcttc agaggcctga tggcgctcga 780
ctattccgaa gaagtggcca cctccgaaaa attccccttc tagaacatgt agacacttga 840
gaaatgtttc tgtttgaaga aaatagaggg agaaacagaa gtcttaagtc tgtggcacac 900
tgtgtcttca gacagtttga aggaatgaaa acctagagat tttaaatcat gaattgaaca 960
tgtaaaattc cagtaaaatg taaaaacgga atatgcatcg ctcttaacct tgagcatagt 1020
gacttagaga cactgtgtat cagtttttgc aataagactg tggacttcat gattgttggt 1080
gaacttctgg gtcaaaactc aaatgaggtg aattttgcct ttaaagggtt tatttgctga 1140
gaaccaactt tcaatagtag tgagagaatc aaataataga tgccgtaca agtagcgcat 1200
atattttaacc atttagtttg gggctctata ttacttgctt gagccttaat caatgtgggt 1260
ttattcaatg gtttgttctt tgaatgggtg caaaaactgt agataatctt actgaggact 1320
gtacaaacat gaaggtgtgg tatcaaactt caggttgaaa ctgtttgaag cattataaac 1380
attcatttca caactagatt gtataaggat attagctgtg atgagactca ctgcattatt 1440
tttttttagtg aatttttatga aatccccgtt ccattcaaca ggcacatgtt taaaagagct 1500
ttgtcgttgg tgtaaatggg ggaatgtgtt ccttcattgt atttgggcct tttgtattgc 1560
actcttgata ttaaattaaa tgtgccttga aaaaaaaaaa 1600
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<210> 51

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 001762

<400> 51

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PF-0356-3 DIV

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<210> 52

<211> 1837

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 001847

<400> 52

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PF-0356-3 DIV

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<210> 53

<211> 2031

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 009337

<400> 53

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cccggaatgc ccagatccag gccctatatg ctgaagatgg aagcctgagt gcagatgccc 480  
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<210> 54

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<211> 1750

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 009476

<400> 54

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cgcatcgccct ccacagcca cgtgaaaggg ctggggctgg acgagagcgg cttggccaag 180  
caggcggcct cagggttgt gggccaggag aacgcgcgag aggcattgtg cgtcatagta 240  
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tgcccaatgg tggggagtga agtttactca actgagatca agaagacaga ggtgctgatg 420  
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<210> 55

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 010370

<400> 55

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&lt;210&gt; 56

&lt;211&gt; 872

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 030137

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 838

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 56

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PF-0356-3 DIV

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<210> 57

<211> 691

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 077180

<400> 57

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<210> 58

<211> 1994

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 098974

<400> 58

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<210> 59

<211> 1594

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 118160

<400> 59

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PF-0356-3 DIV

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aaccacagaa gtttgagtcc agcccaggca acacagcaag accccatctc tataaaaaaga 1560  
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<210> 60

<211> 1460

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 140516

<400> 60

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<211> 1594

<212> DNA

<213> Homo sapiens

PF-0356-3 DIV

<220>

<221> misc\_feature

<223> Incyte ID No: 207452

<400> 61

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<210> 62

<211> 1249

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 208836

<400> 62

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<210> 63

<211> 1309

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 569710

<220>

<221> unsure

<222> 89

<223> a, t, c, g, or other

<400> 63

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PF-0356-3 DIV

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<211> 76  
<212> DNA  
<213> Homo sapiens

<220>  
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<223> Incyte ID No: 606742

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<210> 65  
<211> 1327  
<212> DNA  
<213> Homo sapiens

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PF-0356-3 DIV

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<211> 1892  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 641127

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<210> 67  
<211> 843  
<212> DNA  
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<220>  
<221> misc\_feature

PF-0356-3 DIV

<223> Incyte ID No: 691768

<220>

<221> unsure

<222> 688, 693, 730, 738, 778, 789

<223> a, t, c, g, or other

<400> 67

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<211> 1643

<212> DNA

<213> Homo sapiens

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<221> misc\_feature

<223> Incyte ID No: 724157

<400> 68

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PF-0356-3 DIV

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<211> 2029

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 864683

<400> 69

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accagcatt gtttgaagt cctcgtctca aactccttgc ggcccactgc attgtgggac 1140  
accaacacat gatccagag aacgctctag aggagatcac caaaaacatg gatactagt 1200  
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ttctgctgaa gttggaggac aaactgaacc ggcacctgag ctgtgacctg atgccaaatg 1560  
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PF-0356-3 DIV

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gttctgagca tcctcctttt cccctccctc tcttctccc ctctgcactt tgtttacttg 1920
ttttgcacag acgtgggcct gggccttctc agcagccgcc ttctagttag gggctagtgc 1980
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<210> 70

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 933353

<400> 70

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ggatgggact tttgtcattt caaagacatg atgtatgggg attagaaaga actcaagaca 660
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<210> 71

<211> 1139

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1404643

<400> 71

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tgatcacacc ttttcagttg tacttcaatc ctgaattaat ctttaaacac tttcaaatat 180
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cagactttgt atttatgttc ctttttgggt gattcttaat gacctttttt ggtctgtttg 360
tgagcttagt tttcttgggc caggccttta caataatgct cgtctatgtg tggagccgaa 420
```

PF-0356-3 DIV

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gtattgcagt tggacacata ttttttttct tgggaagatgt atttcccaat caacctgggtg 600
gaataagaat tctgaaaaca ccattctattt tgaaagctat ttttgataca ccagatgagg 660
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<210> 72

<211> 1406

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1561587

<400> 72

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cctggaagtgt gtgagccagt ggtacgagct ggtggtgttt acagcaagca tggagatcta 480
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<210> 73

<211> 2028

PF-0356-3 DIV

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1568361

<220>

<221> unsure

<222> 2, 4, 6-7, 15, 18-19, 41, 59, 70, 74, 95, 97, 119, 127, 131, 152, 158, 889

<223> a, t, c, g, or other

<400> 73

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<210> 74

PF-0356-3 DIV

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1572888

<400> 74

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gcaccgcccc gaatcgggac gcacaatggc accttccact gcgacgagge actggcatgc 240
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<210> 75

<211> 2028

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1573677

<400> 75

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tgagcgacce ctacctgtcc agctattacc cgccgtccat tggatttcct tactccctca 180
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agctcagtaa cggagaccat ctttttatgc acgatgctgt ttttgggcag cctggggggc 300
tggggaacaa catctatcag cacagggttca attttttccc tgaaaacctt gcgttctcag 360
catgggggac aagtgggtct caaggctcagc agaccagag ctcagcctct cccagcacag 420
```

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ggcggtgtgt  tcatcatcaa  gagctactct  gaggacgaca  tccaccgctc  cattaagtac  720
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ttttaaat  tacaccttt  cttaagaatt  ctaatgccgt  ctttaagttt  tataccaata  1980
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```

&lt;210&gt; 76

&lt;211&gt; 1170

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 1574624

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; 953, 962

&lt;223&gt; a, t, c, g, or other

&lt;400&gt; 76

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acctagtgtc  tgagcggcac  agacgagatc  tcgatcgaag  gcgagatggc  ggacgtgcta  180
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tcccgagcgc  ggatgcgtga  ggattatgac  agcgtggagc  aggatggcga  tgaacccgga  360
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PF-0356-3 DIV

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<210> 77

<211> 1107

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1577239

<400> 77

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cgacgtgagg gacaaggagg accagtggat ccggtcttc atggagaagg gagacatggt 420
gacgtcccc gcggggatct atcacgctt cacggtggac gagaagaact acacgaaggc 480
catgcggtcg tttgtgggag aaccggtgtg gacagcgtac aaccggcccc ctgaccattt 540
tgaagcccgc gggcagtagc tgaaatttct ggcacagacc gcctagcagt gctgcctggg 600
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gatcagaata ttttgtaatg aaaggatcta gaaagcaact tggaagtgtg aagagtcacc 780
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<210> 78

<211> 1075

<212> DNA

<213> Homo sapiens

<220>

PF-0356-3 DIV

<221> misc\_feature

<223> Incyte ID No: 1598203

<400> 78

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ccggaaaatg gcggtctgcc ggcccagcct gggccgagtc ctcccaggat cctctgtcct 180
gttcctgtgt gacatgcagg agaagttccg ccacaacatc gcctaattcc cacagatcgt 240
ctcagtggtt gcccgcctgc tcaagggtggc ccggtctgtt gaggtgccag tcatgctgac 300
ggagcagtag ccacaaggcc tgggccccac ggtgcccgag ctggggactg agggccttcg 360
gccgtggcc aagacctgct tcagcatggt gcctgccttg cagcaggagc tggacagtcg 420
gccccagctg cgctctgtgc tgctctgtgg cattgaggca caggcctgca tcttgaacac 480
gacctggac ctcttagacc gggggctgca ggtccatgtg gtggtggacg cctgctcctc 540
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ctccaccagc gaagggtctc ttctgcagct tgtggcgat gccgtccacc cccagttcaa 660
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tggagcggg gctcgcccc gggccacttc acggggcggg aaggggaggg gaagaagagt 1020
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<210> 79

<211> 1830

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1600438

<400> 79

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tgccgtgct gctgcacgaa tcgtcgcagc cccagcctt gcgcgtcgtc gctacctcct 120
cggacagaaa ttttatgaat aagcatcaga agccagtgtt aacaggccag cggttcaaaa 180
ctcggaagaa ggatgaaaaa gagaaattcg aaccacagt cttcagggat acacttgctc 240
aggggcttaa tgaggctggt gatgaccttg aagctgtagc caaatttctg gactctacag 300
gctcaagatt agattatcgt cgctatgcag acacactctt cgatatcctg gtggctggca 360
gtatgcttgc ccctggagga acgcgcagat atgatggtga caagaccaag atgaccaacc 420
actgtgtgtt ttcagcaa atgaagatcat aaaccatccg aaactatgct caggcttcca 480
ataaactcat caggagatat aagtatttgg agaaggcatt tgaagatgaa atgaaaaagc 540
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tgcttgaact ctttccagtt aacagacaga gtgtggatca ttttgctaaa tacttactg 840
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aggaactgca gaaggagctc caggagcgtc tttctcagga atgcccgatc aaggaggtgg 960
tgctttatgt caaagaagaa atgaagagga atgatcttcc agaaacagca gtgattggtc 1020
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PF-0356-3 DIV

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ttctgtggac atgtataatg aacgctgttg agtggaaaca gaaggaagaa cttgttgcag 1080
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gccagtcaga gctgatcctc ctccagaagg ttcaggaata ctgctacgac aacatccatt 1200
tcatgaaagc ctttcagaag attgtgggtc tcttttataa agctgatgtt ctgagcgaag 1260
aagcaatact gaaatgggtat aaggaagcac atgttgctaa aggcaaaagt gtttttcttg 1320
accagatgaa gaaatttggt gagtgggtac aaaatgcaga agaagaatcc gaatcgggaag 1380
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<210> 80

<211> 1330

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1600518

<400> 80

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gctgtcatga aggacgtacc gggcttccta cagcagagcc agagctccgg gcccgggcag 120
cccgtgtgt ggcaccgtct ggaggagctc tacacgaaga agttgtggca tcagctgaca 180
cttcagggtgc ttgattttgt gcaggatccg tgctttgccc aaggagatgg tctcattaag 240
ctttatgaaa actttatcag tgaatttgaa cacagggtga atcctttgtc cctcgtggaa 300
atcattcttc atgtagttag acagatgact gatcctaata tggtctctac ttttctggaa 360
aagactcgtg agaaggtgaa aagtagtgat gaggcagtga tctgtgtaa aacagcaatt 420
ggagctctaa aattaaacat cggggaccta caggttacaa aggaaacaat tgaagatgtt 480
gaagaaatgc tcaacaacct tcctgggtgtg acatcggttc acagtcgttt ctatgatctc 540
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tttttgggct gtgttgacat caaggatcta ccagtgtctg agcagcagga gagagccttc 660
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caccctgtgc tggagtcctt gaggaatact gaccggcagt ggctgattga caccctctat 780
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agctggctgc tcagacggtc gacattgaat ttgggtgggg gttgggatcc tgtctgaagt 1320
acagaatggt 1330
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<210> 81



PF-0356-3 DIV

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1602473

<400> 81

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tgctggtccc ggggtgatgct aggcggctcc ctgggctcca ggctgttgcg ggggtgtagg 180
gggagtcacg gacggttcgg ggcccagggt gtccgcgaag gtggcgacag catggcggca 240
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gagaaggacc agattattga gatggcctgt ctgataactg actctgatct caacattttg 360
gctgaaggct ctaacctgat tataaaacaa ccagatgagt tgctggacag catgtcagat 420
tgggtgaagg agcatcacgg gaagtctggc cttaccaagg cagtgaagga gagtacaatt 480
acattgcagc aggcagagta tgaatttctg tcctttgtac gacagcagac tcctccaggg 540
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ccccagttca tgaaacatct tcattataga ataattgatg tgagcactgt taaagaactg 660
tgcagacgct ggtatccaga agaatatgaa tttgcaccaa agaaggctgc ttctcatagg 720
gcacttgatg acattagtga aagcatcaaa gagcttcagt tttaccgaaa taacatcttc 780
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<210> 82

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 1605720

<400> 82

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tgaagtttga aaagaaatct cagtctgaga aggcagcagg ctcggtgtcc aagagcacgc 180
agtttgagta cgcctggtgc ctggtgcgga gcaagtacaa tgatgacatc cgtaaaggca 240
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tctacctggc cgtggggaac taccggctca aggaatacga gaaggcctta aagtacgtcc 360
gcgggttgct gcagacagag cccagaaca accaggccaa ggaactggag cggctcattg 420
acaaggccat gaagaaagat ggactcgtgg gcatggccat cgtgggaggc atggccctgg 480
gtgtggcggg acttgccgga ctcatcggaac ttgctgtgtc caagtccaaa ttctgaagga 540
gacgcgggag cccacggaga acgctc 566
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PF-0356-3 DIV

<210> 83  
<211> 745  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1610501

<400> 83  
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tcccagtaca ctcggttggt ctgttgaggt tgcttggtggc atgtgcctgg gctggagcct 180  
tcgagtatgc tttgggatgc tccccaaaag caagacgagc aagacacaca cagatactga 240  
aagtgaagca agcatcttgg gagacagcgg ggagtacaag atgattcttg tggttcgaaa 300  
tgacttaaaag atgggaaaag ggaaagtggc tgcccagtgct tctcatgctg ctgtttcagc 360  
ctacaagcag attcaaagaa gaaatcctga aatgctcaaa caatgggaat actgtggcca 420  
gcccagggtg gtggtcaaag ctctgatga agaaaccctg attgcattat tggcccatgc 480  
aaaaatgctg ggactgactg taagtttaat tcaagatgct ggacgtactc agattgcacc 540  
aggctctcaa actgtcctag ggattgggcc aggaccagca gacctaatg acaaagtcac 600  
tggtcaccta aaactttact aggtggactt tgatatgaca acaacccctc catcacaagt 660  
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cttgagatga aaataaaacc tatta 745

<210> 84  
<211> 909  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1720770

<400> 84  
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aaagttacag aatgtctgaa ggggacagtg tgggagaatc cgtccatggg aaaccttcgg 180  
tggtgtacag atttttcaca agacttggac agatttatca gtcctggcta gacaagtcca 240  
caccctacac ggctgtgcga tgggtcgtga cactgggcct gagctttgtc tacatgattc 300  
gagtttacct gctgcagggt tggtagattg tgacctatgc cttggggatc taccatctaa 360  
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acggtccttc gctaccacc aaacagaacg aggaattccg ccccttcatt cgaaggctcc 480  
cagagtttaa attttggcat gcggctacca agggcatcct tgtggctatg gtctgtactt 540  
tcttcgacgc tttcaacgct ccggtgttct ggccgattct ggtgatgtac ttcacatgc 600  
tcttctgtat cacgatgaag aggcaaatca agcacatgat taagtaccgg tacatcccg 660  
tcacacatgg gaagagaagg tacagaggca aggaggatgc cggcaaggcc ttcgccagct 720  
agaagcggga ctgaggctgc ctacagtgtt gcaagaacag ttttgagcca ttgttaacaa 780  
tgctttttt cttcacataa agtagttgat tacgaggag tcaaattttc tttttaaaaa 840  
ggagcttcaa tgatttgtaa ctgaaatata aggttctaga agaaactggc gcttaaacca 900  
aaaaaaaaa 909

PF-0356-3 DIV

<210> 85  
<211> 2028  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 1832295

<400> 85  
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cgggcgctgc acaacgtcac ggccgagctc tttggggccg aggcctgggg cacccttgcg 180  
gctttcgggg acctcaactc cgacaagcag acggatctct tcgtgctgcg ggaaagaaat 240  
gacttaatcg tctttttggc agaccagaat gcaccctatt ttaaacccaa agtaaaggta 300  
tctttcaaga atcacagtgc attgataaca agtgtagtcc ctggggatta tgatggagat 360  
tctcaaatgg atgtccttct gacatatctt cccaaaaatt atgccaagag tgaattagga 420  
gctgttatct tctggggaca aaatcaaaca ttagatccta acaatatgac cactactcaat 480  
aggacttttc aagatgagcc actaattatg gatttcaatg gtgatctaatt tcctgatatt 540  
tttggtatca caaatgaatc caaccagcca cagatactat taggagggaa tttatcatgg 600  
catccagcat tgaccactac aagtaaaatg cgaattccac attctcatgc atttattgat 660  
ctgactgaag attttacagc agattttattc ctgacgacat tgaatgccac cactagtacc 720  
ttccagtttg aaatatggga aaatttggat ggaaacttct ctgtcagtac tatattggaa 780  
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aagaacacat ctggaagcaa ccagcaggcc tttttactgg agaacgtccc ttgtaataat 1140  
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gagtggactg caatcattcc aaattcccag ctaattgtca ttccataccc tcacaatgtc 1680  
cctcgaagtt ggagtgccaa actgtatctt acaccaagta atattgttct gcttactgct 1740  
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gaaaagaaag cagatgatag agaaaaacga caagaagccc accggtttca ttttgatgct 1860  
atgtgacttg cctttaatat tacataatgg aatggctgtt cacttgatta gttgaaacac 1920  
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<210> 86  
<211> 372  
<212> DNA  
<213> Homo sapiens

PF-0356-3 DIV

<220>

<221> misc\_feature

<223> Incyte ID No: 1990522

<400> 86

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aaccctggga catccggaac ctgctcatct ggatcaagaa gaatttgcta aaagagcggc 180
cagagttggt catccaggga gacagcgtgc ggccaggaa tctgggtgctg attaacgatg 240
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tcatctccac tctgcacggc ggctgagggc ccttctctgg ggctgggcaa ccttagaggg 360
gagaacgaaa aa 372
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<210> 87

<211> 829

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2098087

<400> 87

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<210> 88

<211> 1178

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2112230

<400> 88

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ggccccagtg ttgcgctctc tggccgttcc ttacactttg cttcaggctc cagtgcaggg 120
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PF-0356-3 DIV

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caagagaagt taaaagcaat agaaccfaat gactatacag gaaaggtctc agaagaaatt 660
gaagacatca tcaaaaaggg ggaaacacaa actctttaga acataacaga atatatctaa 720
gggtattcta tgtgctaata taaaatattt ttaacacttg agaacaggga tctgggggat 780
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<210> 89  
<211> 748  
<212> DNA  
<213> Homo sapiens  
  
<220>  
<221> misc\_feature  
<223> Incyte ID No: 2117050

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agaactgtgc tgggtggagag gtcctagagc cggcgagcgt ttgagaagag ggcattggcg 660
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<210> 90  
<211> 1078  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature

PF-0356-3 DIV

<223> Incyte ID No: 2184712

<400> 90

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tctcggcagg ctcttcggga aggggaagaa ggagaaaggg ccaacccctg aagaagcaat 180
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<210> 91

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2290475

<400> 91

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PF-0356-3 DIV

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<211> 659  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2353452

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cgtccttgta ctcagtttag gcttcttggc aacatacaga agatacacc ttttcgtttg 600
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<210> 93  
<211> 1572  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<223> Incyte ID No: 2469611

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<221> unsure  
<222> 1492, 1500, 1566  
<223> a, t, c, g, or other

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tggctacctg tgggtcgaag atgtcggaca tcggagactg gttcaggagc atcccgccga 240
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&lt;210&gt; 94

&lt;211&gt; 3520

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; Incyte ID No: 2515476

&lt;400&gt; 94

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&lt;210&gt; 95

&lt;211&gt; 1904

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;220&gt;

&lt;221&gt; misc\_feature

PF-0356-3 DIV

<223> Incyte ID No: 2754573

<220>

<221> unsure

<222> 32-33

<223> a, t, c, g, or other

<400> 95

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<210> 96

<211> 1621

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<223> Incyte ID No: 2926777

<400> 96

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<400> 97

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aatatatgtt tggagactgc tcgggaagct gtggtcagtg tgtgtggcca cctgtactgt 240
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